

STATE OF MISSOURI  
DEPARTMENT OF NATURAL RESOURCES

Mel Carnahan, Governor • David A. Shorr, Director

DIVISION OF ENVIRONMENTAL QUALITY

St. Louis Regional Office

June 30, 1993

10805 Sunset Office Drive, Suite 100 St. Louis, MO 63127-1017

(314)822-0101

FAX (314)822-0943

Mr. Joseph Haake, Group Manager  
Environmental and Hazardous Materials Services  
McDonnell Douglas Aerospace East  
Dept. 064C  
Mail Code 1003377  
P.O. Box 516  
St. Louis, MO 63166-0516

RECEIVED  
JUL 2 1993  
HAZARDOUS WASTE PROGRAM  
MISSOURI DEPARTMENT OF  
NATURAL RESOURCES

Dear Mr. Haake:

Enclosed is a report of an inspection conducted by Mr. Joe Trunko of my staff. The section titled "UNSATISFACTORY FEATURES" lists violations noted during the inspection and outlines steps the inspector has determined will correct those violations.

We have received your company's June 21, 1993, response to Notice of Violation (NOV) #2778. This NOV was issued as a result of violations noted during the inspection. A review of the company's response indicates that the proper corrective actions for each violation have been taken. No further response concerning the NOV is required from you at this time.

The Department requests that the following additional information be submitted and/or actions be taken:

1. The McDonnell Aircraft Company has been recently reorganized and has changed its name to McDonnell Douglas Aerospace East (MDAE). An updated Notification of Hazardous Waste Activity Form has not been submitted to the HWP. An updated notification form must be submitted denoting the new facility name.
2. MDAE received a letter from the HWP, dated May 27, 1993, concerning the modifications requested by MDAE. The letter also contained additional actions that the HWP has determined are needed in order to complete proper closure of several of the storage areas/tanks. Questions concerning this matter should be directed to Mr. Steve Jaques of the HWP at (314) 751-3176.

3. MDAE currently operates a portable unit that filters waste oil for reuse. This unit was observed in Building 29 during the inspection. Please submit to this office the following information: a description of the recycling unit, the quantity of waste oil that is recycled each month, a description of how waste oil is stored prior to recycling, and a description of how any waste materials generated during the process are managed/disposed of.
4. In 1986, the five 500-gallon acid tanks (H12-H16) were removed and replaced with three, 850-gallon tanks (H12-H14). A detailed written assessment for these new tanks was not available at the time of the inspection. As per 40 CFR 265.192, the owner or operator must obtain a written assessment, reviewed and certified by an independent, qualified, registered professional engineer, attesting that the system has sufficient structural integrity and is acceptable for the storing of hazardous waste. Please submit this information to this office.
5. As per the approved permit, the Building 14 Sludge Holding Tank is required to be drained and inspected for cracks and corrosion every five years. In 1988, the tank was drained and inspected. At that time, cracks were observed in the wall of the tank. Due to difficulty in repairing the cracks, a liner was installed in the inside of the tank. Records of the inspection that was conducted and the liner installation were not available at the time of the inspection. Please submit information to this office concerning the inspection that was conducted of the tank and the liner that was installed.

Please submit the information requested in items #4, 5 and 6 to this office within 30 days of receipt of this report. Should you have any questions, please call Mr. Joe Trunko at (314) 822-0101.

Sincerely,

ST. LOUIS REGIONAL OFFICE



Robert S. P. Eck  
Regional Director

RSPE/JMT/lv

Enclosures

c: HWP



St. Louis County (HW)  
McDonnell Douglas (Tract I)

RESOURCE CONSERVATION AND RECOVERY ACT  
AND  
MISSOURI HAZARDOUS WASTE MANAGEMENT LAW  
COMPLIANCE EVALUATION INSPECTION REPORT

FACILITY

McDonnell Douglas Aerospace East  
(Tract I)  
Mail Code 1003377  
P.O. Box 516  
St. Louis, MO 63166-0516  
(314) 232-3319

EPA ID#: MOD000818963  
MO Generator ID#: 001001  
Permit #: OSO 062284 002  
Resource Recovery #: 0268-A  
MO Transporter ID#: H-1039

PARTICIPANTS

Missouri Department of Natural  
Resources (MDNR)

Joseph L. Trunko &  
Doris Mann  
Environmental Specialists

McDonnell Douglas Aerospace East  
(MDAE)

Robert Kaatman, Manager  
Environmental & Hazardous  
Materials Services

Joseph Haake, Group Manager  
Environmental & Hazardous  
Materials Services

Bryan Kury, Ed Hickey &  
Charlie Kutterer  
Environmental & Hazardous  
Materials Services

INTRODUCTION

On June 10 and 11, 1993, an inspection was conducted at McDonnell Douglas Aerospace East (Tract I), located off of McDonnell Boulevard in St. Louis County. The inspection was conducted under the authority of the Resource Conservation and Recovery Act (RCRA) of 1976 and Sections 260.375(9) and 260.377 of the Missouri Hazardous Waste Management Law (1977) as amended. The inspection was confined to facets of the facility operation related to hazardous waste management.

FACILITY DESCRIPTION

This facility was previously known as McDonnell Aircraft Company (Tract I). As a result of recent corporate reorganization, the name of the facility has been changed to McDonnell Douglas Aerospace East (Tract I) (MDAE).

MDAE is a manufacturer of military aircraft. The MDAE facility is divided into two areas--Tract I North and Tract I South. Tract I North encompasses approximately 53 acres. Operations in this area include chemical processing, machining of parts, composite manufacturing, parts degreasing and painting. Tract I South encompasses approximately 81 acres. Operations in this area include chemical processing, aircraft assembly, painting, aircraft testing (flight ramps), industrial wastewater pretreatment and a boiler house. Banshee Road divides the two areas. A site map is attached.

MDAE operates 5 days per week, 24 hours per day. Approximately 7,996 employees work at the facility.

MDAE is a large quantity generator of hazardous waste. Numerous waste streams are generated. However, the largest quantity of wastes generated consist of emulsified cutting oil, paint solids, solvent and paint waste, wastewater treatment sludge and acid and caustic waste. The most recent Notification of Hazardous Waste Activity Form for the facility is attached.

MDAE is permitted to store hazardous waste for greater than 90 days. Waste generated from on site as well as waste from off-site facilities is stored. Only waste from MDAE facilities is accepted from off site. Hazardous waste is transported to Tract I by MDAE (Missouri Transporter ID# H-1039). A Generator's Hazardous Waste Summary Report and Facility Quarterly Summary Report for the first quarter of 1993 is attached.

MDAE stores on-site generated waste (drum related) at three less-than-90-day storage areas. These areas are located on the east side of building 2, at building 45, and at building 51. Waste solvents, paints, and oils are accumulated in drums at numerous satellite locations (mainly in buildings 27, 29A, 220, 2, 42, and 48). When full, these containers are transferred to one of the less-than-90-day storage areas.

Paint solids are accumulated in red, two cubic yard dumpsters, located throughout the facility (mainly in buildings 27, 220, 29, 2, 45, and 48). When full, these dumpsters are emptied into two roll-off dumpsters/compactors, located at the north side of building 27 and the north side of building 48. These dumpsters are transported to an off-site hazardous waste facility approximately once every two weeks.

Rags that are used to wipe-up solvents and paint are placed in red trash cans located at the immediate work areas. At the end of each day, these cans are emptied into the nearest two-yard satellite dumpster.

MDAE is permitted to store hazardous waste for greater than 90 days in the following units:

Building 27 Scrap Dock Container Storage Area - Containers from off site and from the on site, less-than-90-day storage areas are stored at this area. Acids, alkalis, oils, solvents, and paint sludges are stored in area 1. Cyanides and sulfides are stored in area 2. Area 2 was replaced by a

prefabricated storage building in 1989. The original area 2 must still be closed in accordance with the closure plan.

Building 10 Explosives Storage Building - This building was previously used to store class B and C explosives but is no longer in use. A modification requesting removal of this area from the permit has been submitted to the Hazardous Waste Program (HWP). This area must still be closed in accordance with the closure plan.

Building 14 Sludge Holding Tank - This is a 120,000-gallon, in-ground, open top tank used for the storage of wastewater treatment sludge prior to dewatering. The sludge is run through a centrifuge and the solids are accumulated in a 15 cubic yard roll-off dumpster. A diagram of the wastewater pretreatment plant is attached.

Building 52 Caustic tanks (H19, H20) - Two 10,000-gallon tanks used to store waste sodium hydroxide from the chemical milling of aluminum. This waste is sent to Reynolds Metals in Texas for use as an ingredient in alumina production. A letter concerning this matter is attached. A modification requesting removal of these tanks from the permit and reclassification as less-than-90-day storage tanks has been submitted to the HWP. The containment area for these tanks must still be closed in accordance with the closure plan.

Building 52 Acid Tanks (H12-H16) - Originally five 500-gallon, above-ground tanks used to store waste nitric acid from the chemical milling of titanium. These tanks were removed in 1986 and replaced with three, 850-gallon tanks (H12-H14). A modification requesting removal of the original tanks from the permit and reclassification of the new tanks as less-than-90-day storage tanks has been submitted to the HWP. The containment area for these tanks must still be closed in accordance with the closure plan.

Building 52 Acid Tanks (H1-H6) - Six 750-gallon, above-ground tanks used to store waste nitric acid from the chemical milling of titanium. These tanks were removed in 1986, were properly closed, and are no longer part of the permit.

Building 6 Waste Oil Tank - A 1,000-gallon underground tank used to store waste oil separated from the condensate of an oil-lubricated, steam-operated compressor. This tank was removed in 1989 and replaced with a 375-gallon, above-ground tank. A modification requesting removal of this tank from the permit and reclassification as a less-than-90-day storage tank has been submitted to the HWP. The original tank has been closed in accordance with the closure plan and is no longer part of the permit (pending visual inspection by MDNR).

Hush House waste Tank - A 3,380-gallon underground tank used to store waste jet fuel. This tank was removed in 1989. A modification requesting removal of this tank from the permit has been submitted to the HWP. Groundwater contamination from leakage of the tank has been documented. Proper closure and remediation of this area must be in accordance with the closure plan and HWP guidance.

Fuel Pit #3 & #4 Waste Tanks - Two 2,000-gallon underground tanks used to store waste jet fuel. These tanks have been removed. A modification requesting removal of these tanks from the permit has been submitted to the HWP. Closure of these tanks will follow the same guidelines as for the Hush House Waste Tank.

F-18 Silencer Waste Tank - A 2,000-gallon underground tank used to store waste jet fuel. This tank was removed in 1992. A modification requesting removal of this tank from the permit has been submitted to the HWP. The tank has been closed in accordance with the closure plan and is no longer part of the permit (pending visual inspection by MDNR).

Building 28 Waste Tank - A 5,000-gallon, underground tank used to store waste jet fuel. This tank was removed and replaced with a double-wall tank. A modification requesting removal of this tank from the permit and reclassification as a less-than-90-day storage tank has been submitted to the HWP. The area must still be closed in accordance with the closure plan.

Ramp Station 1 & 2 Waste tank - A 4,380-gallon underground tank used to store waste jet fuel. This tank is currently not in use. A modification requesting removal of this tank from the permit and reclassification as a less-than-90-day storage tank has been submitted to the HWP. Closure of this tank will follow the same guidelines as for the Hush House Waste Tank.

Waste jet fuel that is stored at this facility is burned as a fuel in the facility's boilers. As a result, the jet fuel is not considered a solid waste. A letter concerning this matter is attached.

MDAE has a resource recovery certification (expires 8/20/94) for the following operations:

Distillation of spent Methyl Ethyl Ketone and Methyl Isobutyl Ketone. Stills are located at the paint areas in buildings 27 and 48, respectively. Still bottoms are collected in 55-gallon drums and are disposed of as hazardous waste.

The recovery of perchloroethylene by steam stripping carbon adsorption beds. This process is located in building 51. Prior to chemical milling, a maskant coating that contains perchloroethylene is applied to metal parts. As the parts dry, the perchloroethylene evaporates, is collected, and is run through a carbon adsorption unit. The perchloroethylene is stripped from the carbon beds with steam and is collected for reuse as an ingredient in new maskant production.

Operating records for the distillation units are attached.

MDAE has organized a waste minimization team in order to reduce the quantity of hazardous waste generated at the facility. Hazardous waste generation has been cut by 50% since 1987. Additional actions currently under consideration are the use of a filter press for the wastewater pretreatment sludge and the replacement of chlorinated solvents with aqueous solutions.

MDAE generates a large amount of waste coolant that is used during the machining of parts (mainly in building 27). This coolant has been analyzed and determined to be nonhazardous. An analysis report is attached.

Solid Waste generated at the facility is hauled by MDAE to the Westlake Sanitary Landfill or the Browning Ferris Industries MOPASS Sanitary Landfill.

MDAE has an NPDES permit (MO-0004782) from the MDNR for the discharge of storm water and noncontact cooling water. A fact sheet describing this permit is attached.

Copies of photographs that were taken during the inspection are attached.

#### UNSATISFACTORY FEATURES

1. Open satellite containers of hazardous waste, in violation of 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.173(a). Open satellite drums of waste paint and/or solvent were observed in the following areas: building 27 paint shop, building 220 trim area, building 2 small paint booth, and the building 48 paint area (drum storing waste MEK prior to distillation). In each case, the bung was open and contained an open funnel. In building 2, a dumpster was overfilled with paint solids. The lid was not totally closed and a strong paint odor was apparent in the immediate area of the dumpster.

A satellite container of hazardous waste must be closed at all times except when waste is being added to or removed from the container. All open containers observed during the inspection were properly closed upon discovery during the inspection. MDAE must certify to the MDNR that all satellite containers will remain closed (or will be equipped with devices satisfying the requirement) except during those times when waste is being added to or removed from the container.

2. Satellite containers of hazardous waste not marked, in violation of 10 CSR 25-5.262(2)(C)3. In building 27, two dumpsters containing paint solids were not marked. In building 220, two dumpsters were marked with the contents but were not dated. All satellite containers of hazardous waste must be marked with the words "HAZARDOUS WASTE", or with other words that identify the contents of the containers, and the beginning date of satellite storage.
3. Open container of waste oil, in violation of 10CSR 25-11.010(3)(C). A 55-gallon drum of waste oil with a open funnel inserted in the bung was observed in building 42. The drum was closed upon discovery during the inspection. All containers of waste oil that are 5 gallons or larger in size must be closed (or equipped with devices satisfying the requirement) except during those times when waste oil is being added to or removed from the containers.
4. Container of hazardous waste not marked, in violation of 10 CSR 25-5.262(2)(C)1. The roll-off dumpster containing the wastewater treatment

The following numbering system incorporates the state and federal citations. The state citations to the regulations appears at the top of each section. The last part of the state citation refers to the part of 10 CFR, the federal regulation. In the column, the federal regulation appears as a period and number, .XX. The more stringent state regulations appear in parenthesis, ( ).

10 CSR 25-5.262 Standards for Generators	(General/Standard/Special) Condition	
.11 Generator's MO and EPA I.D. Numbers .....	(-)	
(2B) No more than 10 days time between generator and facility signatures.....	(✓)	
(2B2) Serially Increasing shipment number .....	(✓)	
Generator's name, address, phone #.....	(✓)	
All transporters' names, phone #'s, MO and EPA I.D. #'s.....	(✓)	
Designated facility name, address, phone # and EPA I.D. #.....	(✓)	
Proper DOT Shipping Name, Hazard Class and I.D. #.....	(✓)	
Containers, Quantity and Unit Wt/Vol being shipped properly designated.....	(✓)	
(2B6) Proper certification.....	(✓)	
(2B6) Manifests returned within 35 days.....	(✓)	
(2B6) Completed manifests submitted to DNR quarterly.....	(✓)	
.23 Manifest properly signed by generator/transporter/TSD and dated.....	(✓)	
(2D1) Summary Manifests Report submitted to DNR quarterly.....	(✓)	
(2D2) Exception generator report submitted within 45 days.....	(✓)	
.41 Biennial Report.....	(✓)	
.30 Waste stored in proper DOT containers.....	(✓)	
.32 <u>Containers/Tanks labeled "Hazardous Waste"</u> and labeled per proper DOT requirements during storage.....	(-)	
.33 Placards available for use by transporters.....	(✓)	
(2C) Facility inspected and maintained.....	(✓)	
Ignitable and reactive wastes properly handled.....	(✓)	
Date of accumulation marked.....	(-)	
Storage less than 90 days (if applicable).....	(✓)	
(2C2) Satellite Accumulation requirements met (if applicable).....	( )	
Stored in satellite areas less than 1 year.....	(✓)	
Container marked identifying contents and beginning date.....	(-)	
Containers kept closed / compatible / good condition.....	(-)	
Quantities accumulated not exceeding 55 gal. (1 quart acutely hz waste).....	(✓)	



- .12(a) Notice of Hazardous Waste shipment from foreign source..... (N/A)
- (b) Notice of permit when receiving waste..... (N/A)
- .13 General Waste Analysis
  - (a)(1) Copy of plan on site..... (✓)
  - (a)(3)(i) Plan updated if process(es) change..... (✓)
  - (ii) Analysis repeated if manifest discrepancy..... (✓)
  - (b) Procedures to identify wastes on site including leachate and runoff..... (✓)
  - (c) Procedures to identify wastes from off site..... (✓)
  - Waste Analysis plan up-to-date..... (✓)
  - Identify hazardous wastes handled at the facility including leachate  
and runoff..... (✓)
  - Means to confirm off-site wastes (manifest discrepancy) and run off..... (✓)
- .14(b) Security
  - 24-hour surveillance system at facility or..... (✓)
  - An artificial or natural boundary / controlled access..... (✓)
  - Restricted access sign posted at each entrance..... (✓)
  - Legible from a distance of 50 feet..... (✓)
- .15 General Inspection
  - (a) Facility inspected and maintained..... (✓)
  - (b)(1) Inspect emergency equipment, security devices,  
operating and structural equipment..... (✓)
  - (c) Remedied any deteriorated or malfunctioning equipment (check equipment).... (✓)
  - (d) Records of inspections retained..... (✓)



.16 Personnel training

- (a) Completed classroom or on-the-job training to handle emergencies.....(✓)
- (a)(2) Trainer qualified in hazardous waste management procedures documented...(✓)
- (c) Annual review of training.....(✓)
- (d) Job title, description, and name of person filling position.....(✓)
- (e) Written record of the type and amount of training given.....(✓)

.17 General Requirements for Ignitable, Reactive or Incompatible Wastes

- (a) Precautions taken to prevent accidental ignition.....(✓)
- (b) Precautions taken to prevent reaction.....(✓)
- (c) Documented methods used.....(✓)

.18 Location Standard

- (b) Floodplains - plan in place for how facility will remove wastes from areas that could be flooded.....(N/A)

10 CSR 25-7,264(2)(C) Preparedness and Prevention (General/Standard/Special) Condition\_\_\_\_

- .32(a) Internal communication or alarm system.....(✓)
- (b) Device in the hazardous waste operation area capable of summoning emergency assistance.....(✓)
- (c) Fire control, spill control, and decontamination equipment available.....(✓)
- (d) Adequate water supply for fire control equipment.....(✓)
- .33(a) Adequate and proper safety equipment, available and ready.....(✓)
- .34 Each person in hazardous waste area able to summon help.....(✓)
- .35 Adequate aisle space.....(✓)
- .37 Arrangements with local emergency agencies.....(✓)

- .51 Has contingency plan been used successfully.....(✓)
- .52 Are following items up-to-date
- (a) Detailed description of procedures that personnel must implement in response to fires, explosions, releases of hazardous waste.....(✓)
  - (c) Formal arrangements with emergency services.....(✓)
  - (d) Name, address, and phone numbers (home & office) of emergency coordinator(s).....(✓)
  - (e) Emergency equipment including its description and location.....(✓)
  - (f) Evacuation plan.....(✓)
- .53 Copy of the contingency plan at site.....(✓)
- .54 Contingency plan need amendments made as necessary.....(✓)
- .55 Emergency coordinator can commit resources in an emergency.....(✓)
- .56 Emergency coordinator can explain his responsibilities in emergency situations (Use the exit interview to ask specific questions about possible emergencies at site.).....(✓)
- 
- 
- 

10 CSR 25-7,264(2)(E) Manifest System (General/Standard/Special) Condition.....\_\_\_\_\_

.71 Use of Manifest System

For off-site facilities

- (a)(1) Manifests signed by generator/transporter/TSD and dated.....(✓)
- (a)(2) Discrepancy in manifested loads noted.....(✓)
- (a)(3) Copy to transporter.....(✓)
- (a)(4) Copy to generator in 30 days.....(✓)
- (a)(5) Copy at facility for 3 years.....(✓)
- (c) Use Generator Checklist for waste sent off-site 10 CSR 25-5,262.....(✓)

Operating Record

- .72(a) Manifest properly signed and dated.....(✓)
- (b) Completed manifests submitted to DNR quarterly.....(✓)
- (c) Summary Manifest Report submitted to DNR quarterly.....(✓)
- (d) Biennial Report.....(N/A)
- .73(a) Description, quantity, and TSD process for all hazardous wastes.....(✓)
- (b)(1) Location and quantity of all hazardous waste.....(✓)
- (b)(3) Waste analysis records from off-site sources.....(✓)
- (b)(4) Summary and description of emergency incidents.....(✓)
- (b)(5) Record of inspections.....(✓)
- (b)(6) Monitoring and testing and analytical results on-site if necessary.....(✓)

Reporting

- ~ .74 Records are kept and available for inspection.....(✓)
- .75 Quarterly facility reports submitted.....(✓)
- (2G) Ground water monitoring data on-site/submitted.....(N/A)
- (2H) Certification of information signed.....(✓)
- .76 Unmanifested waste reports for off-site facilities on-site/submitted.....(✓)
- .77 Reports for emergencies, spills, closure on-site/submitted.....(✓)

## .90 Monitoring Well Construction

Please describe the casing material and well diameters and locations if different than described in the permit application; \_\_\_\_\_

Describe the condition and type of protective casing in the monitoring wells if different than described in the permit application; \_\_\_\_\_

Describe the security measures completed to protect the wells from outside influences if different than described in the permit application; \_\_\_\_\_

The wells appear structurally sound and there is no failure in the integrity, yes \_\_\_\_\_ no \_\_\_\_\_ unknown \_\_\_\_\_

The wells appear tightly sealed at the surface and no pathways exist for surface water to leak into the wells, yes \_\_\_\_\_ no \_\_\_\_\_ unknown \_\_\_\_\_

.91(a) Have records been kept of analyses of ground and surface water sampling? yes \_\_\_\_\_ no \_\_\_\_\_ unknown \_\_\_\_\_

(F1) Have these records been submitted to EPA/DNR? yes \_\_\_\_\_ no \_\_\_\_\_ unknown \_\_\_\_\_

(F5) Can personnel identify surface water sampling points or direction of drainage( )

10 CSR 25-7,264(2)(G) Closure and Post-Closure (General/Standard/Special) Condition \_\_\_\_\_

- .112 There is a copy of the approved closure and post-closure plans onsite.....(✓)  
 Plan is up-to-date.....(✓)

Modification requests have been submitted to MDNR.

10 CSR 25-7,264(2)(H) Financial Requirements (General/Standard/Special) Condition \_\_\_\_\_

- .140 O/O can produce documents showing compliance with financial requirements  
 for closure, post-closure, and sudden and non sudden liability.....(✓)  
 .143(a) Closure cost estimates are up-to-date.....(✓)  
 (b) Letter of transmittal to MDNR on-site.....(✓)  
 .145(a) Post-closure cost estimates are up to date.....(✓)  
 (b) Letter of transmittal to MDNR on-site.....(✓)  
 .147 Liability requirements are up-to-date.....(✓)

10 CSR 25-7,264(2)(I) Use and Management of Containers (General/Std/Special) Condition \_\_\_\_\_

- .171 Containers in good condition.....(✓)  
 .172 Containers made of materials compatible with hazardous wastes placed in them.(✓)  
 .174 Hazardous waste containers storage area inspected once a week and  
 inspection log completed.....(✓)  
 .175 Containment free of cracks; containers elevated; run-on prevented; sump empty;  
 no sign of stains of spilled material.....(✓)

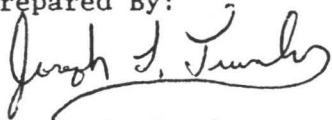
- .176 Ignitable or reactive waste at least 50 ft. from property line.....(✓)  
 .177(a) Incompatible wastes placed in different containers.....(✓)  
 (c) Containers holding incompatible wastes separated by dikes, or walls.....(✓)

sludge (F006/F019 waste) at building 14 was not marked. All containers of hazardous waste must be marked in accordance with the applicable Department of Transportation regulations (49 CFR Part 172) and with the information described in 40 CFR 262.32(b) during the entire on-site storage period.

5. Container of hazardous waste not dated, in violation of 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(2). The dumpster referenced in unsatisfactory feature #4 was not marked with the start date of waste accumulation. The date upon which each period of waste accumulation begins must be clearly marked on all containers of hazardous waste during the entire on-site storage period.
6. Tank storing hazardous waste not labeled, in violation of 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(3). The building 14 sludge tank was not labeled. All tanks storing hazardous waste must be labeled with the words "HAZARDOUS WASTE."
7. Generator's Missouri Identification Number not on the manifest, in violation of 10 CSR 25-5.262(2)(B). The Missouri Generator Identification Number was not included on the following manifests: #2506 (IL), #2518 (Tx) and #2521 (Tx). The MDAE Tract I Missouri Generator Identification Number (001001) must be included on all manifests.
8. The license plate number of the transporter not on the manifest, in violation of 10 CSR 25-5.262(2)(B)2.C. The license plate number of the transporter was not included on the following manifests: #2515 (In), #2514 (Tx), #2506 (IL), #2507 (Mo). The license plate number of the waste carrying portion of the vehicle used to transport waste, including the state of registration, must be included on all manifests.

Questions concerning this report should be addressed to Mr. Trunko.

Prepared By:



Joseph L. Trunko  
Environmental Specialist II

JLT/lv



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
LARGE QUANTITY GENERATOR  
**INSPECTION RECORD AND CHECKLIST**

L  
LOG-INSF

FOR FACILITIES THAT GENERATE/ACCUMULATE > 1000 Kg (2,200 lbs. or approximately, 5 drums)

NAME McDonnell Douglas Aerospace East (Tract D)		DATE 6/10/93 & 6/11/93	EPA I.D. NUMBER MOD000818963
ADDRESS P.O. Box 516 (mail code 1003377)		RR NO. 0268-A	MO I.D. NUMBER 001001
CITY St. Louis	NUMBER OF EMPLOYEES ~ 9,000	YEARS AT SITE	TELEPHONE NUMBER (314) 232-3319

FACILITY REPRESENTATIVE(S), TITLE(S)

Joseph Haake, Group Manager - Environmental & Hazardous Materials Services

**DESCRIPTION OF THE FACILITY'S OPERATIONS AND PLANT.**

Included in Report

Hwmp  
copy

**WASTE STREAMS**

DESCRIBE EACH WASTE STREAM GENERATED INCLUDING THE PRODUCTION PROCESS	RATE	D NUMBER	DISPOSITION
1.			
2. (Most Recent Notification Form attached)			
3.			
4.			
5.			

**CHECK ALL THAT APPLY (Specify if possible)**

- |  |  |  |
|--|--|--|
| <input checked="" type="checkbox"/> NPDES Permit | <input type="checkbox"/> Lead/Acid Batteries                     | <input type="checkbox"/> POTW                                |
| <input type="checkbox"/> Septic Tank             | <input checked="" type="checkbox"/> H.W. Burner/Blender/Marketer | <input checked="" type="checkbox"/> Solid Waste Landfill     |
| <input checked="" type="checkbox"/> Air Permit   | <input type="checkbox"/> Precious Metal Reclamation              | <input checked="" type="checkbox"/> Waste Water Pretreatment |



**A. GENERAL**

1. <input checked="" type="checkbox"/> Registered as a HW Generator - Section 260.380.1 (1) RSMo and 10 CSR 25-5.262 (2)(A)	GGR
2. <input checked="" type="checkbox"/> Facility determines if waste is hazardous - 10 CSR 25-5.262(1) incorporating 40 CFR 262.11	GGR
3. <input checked="" type="checkbox"/> Utilizes a licensed hazardous waste transporter - Section 260.380.1 (5) RSMo	GGR
4. <input checked="" type="checkbox"/> Utilizes authorized HW TSD or RR facility - Section 260.380.1(7) RSMo	GGR
5. <input checked="" type="checkbox"/> Facility does not operate as a TSD - Section 260.390(1) RSMo	GGR

**COMMENTS****PART 1: WALK-THROUGH INSPECTION****B. PRETRANSPORT, CONTAINERIZATION & STORAGE**

1. <input checked="" type="checkbox"/> Storage does not exceed 90 days or 180/270 days if facility generates < 1000 Kg/month - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)	GPT
2. <input checked="" type="checkbox"/> Containers in good condition - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.171	GPT
3. <input checked="" type="checkbox"/> Waste compatible with container - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.172	GPT
4. <input checked="" type="checkbox"/> Containers closed in storage - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.173(a)	GPT
5. <input checked="" type="checkbox"/> Containers storing incompatible waste separated or protected from each other by a dike, berm or wall - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.177(c)	GPT
6. <input checked="" type="checkbox"/> Container storage areas have a containment system if holding more than 1000 Kg of liquid hazardous waste - 10 CSR 25-5.262 (2)(C)2.B.(I)	GOR
7. <input checked="" type="checkbox"/> Base of containment system is impervious and free of cracks or gaps - 10 CSR 25-5.262 (2)(C)2.B.(III)(a).	GOR
8. <input checked="" type="checkbox"/> Containers protected from contact with accumulated liquids - 10 CSR 25-5.262(2)(C)2.B.(III)(b).	GOR
9. <input checked="" type="checkbox"/> Capacity of containment system = 10% of waste volume or volume of largest container, whichever is greater - 10 CSR 25-5.262(2)(C)2.B.(III)(c).	GOR
10. <input checked="" type="checkbox"/> Run-on onto the containment system is prevented or excess capacity is provided - 10 CSR 25-5.262(2)(C)2.B.(III)(d).	GOR
11. <input checked="" type="checkbox"/> Accumulated liquids removed to prevent overflow of containment - 10 CSR 25-5.262(2)(C)2.B.(III)(e).	GOR
12. <input checked="" type="checkbox"/> Containers of ignitable or reactive waste stored >50 ft. from property line (or meet requirements) - 10 CSR 25-5.262(2)(C)5. referencing 40 CFR 265.176 as amended by 10 CSR 25-7.265(2)(I)7. and 8.	GPT
13. <input checked="" type="checkbox"/> Containers clearly marked "hazardous waste" - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(3)	GPT
14. <input type="checkbox"/> Waste packaged/labeled/marked per DOT during entire on-site storage period - 10 CSR 25-5.262(2)(C)1.	GOR
15. <input type="checkbox"/> Date of accumulation marked on containers - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(2)	GPT
16. <input checked="" type="checkbox"/> Facility inspected and maintained (weekly) - 10 CSR 25-5.262(2)(C)2.A.(I) and (II) referencing 40 CFR 265.174	GPT
17. <input checked="" type="checkbox"/> Daily inspection of areas subject to spills, i.e., waste handling areas - 10 CSR 25-5.262(2)(C)2.A.(II)	GOR
18. <input checked="" type="checkbox"/> Adequate aisle space is available - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.35	GPT
19. <input checked="" type="checkbox"/> Placards available for transporter - 10 CSR 25-5.262(1) incorporating 40 CFR 262.33	GPT
20. <input checked="" type="checkbox"/> "No Smoking" signs conspicuously placed by ignitable or reactive wastes - 10 CSR 25-5.262(2)(C)2.D.(II)	GOR
21. <input type="checkbox"/> Waste oil containers in good condition, labeled and closed - 10 CSR 25-11.010(3)(C)	GOR

**COMMENTS****C. SATELLITE ACCUMULATION**

1. <input type="checkbox"/> Containers kept closed - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.173(a)	GPT
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**COMMENTS**

2. <input checked="" type="checkbox"/> Containers in good condition - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.171	GPT	COMMENTS
3. <input checked="" type="checkbox"/> Waste compatible with container - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.172	GPT	
4. <input checked="" type="checkbox"/> Quantities accumulated not exceeding 55 gal. (1 quart of acutely-hazardous wastes) - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)	GPT	
5. <input checked="" type="checkbox"/> Satellite containers go to storage within 3 days of filling - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(2).	GPT	
6. <input type="checkbox"/> Container marked identifying contents & beginning date - 10 CSR 25-5.262(2)(C)3.	GOR	
7. <input checked="" type="checkbox"/> Stored in satellite areas less than 1 year - 10 CSR 25-5.262(2)(C)3.	GOR	

#### D. PREPAREDNESS AND PREVENTION AND EMERGENCY PROCEDURES

1. <input checked="" type="checkbox"/> Facility operated and maintained to minimize the possibility of an emergency - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.31	GPT	COMMENTS
2. <input checked="" type="checkbox"/> Adequate and proper spill control, decontamination and safety equipment available (fire blankets, respirators, SCBA, absorbents, etc.) - 10 CSR 25-5.262 (2)(C)2 E.	GPT	
3. <input checked="" type="checkbox"/> Adequate water supply and fire control equipment - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.32(c) & (d)	GPT	
4. <input checked="" type="checkbox"/> Device in the hazardous waste operation area capable of summoning emergency assistance - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.34(a)	GPT	
5. <input checked="" type="checkbox"/> Telephone or two-way radio on-site and capable of summoning local fire or police department - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.32(b)	GPT	
6. <input checked="" type="checkbox"/> Communication and emergency equipment tested and maintained - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.33	GPT	

#### E. LQG TANKS

TANK DESIGNATION	CONTENTS	CAPACITY	CONTAINMENT	AGE
1.	Utilize numerous tanks			
2.				
3.	(Included in Report)			
4.				
5.				

1. <input checked="" type="checkbox"/> Spill prevention controls in place and operating e.g. check valves, dry discount couplings - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.194(b)(1)	GPT	COMMENTS
2. <input checked="" type="checkbox"/> Overfill prevention controls in place and operating e.g. high level alarms, automatic feed cutoff, etc. - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.194(b)(2)	GPT	
3. <input checked="" type="checkbox"/> Sufficient freeboard in uncovered tanks to prevent overtopping - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.194(b)(3)	GPT	
4. <input checked="" type="checkbox"/> Waste or treatment method compatible with tank - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.194(a)	GPT	
5. <input checked="" type="checkbox"/> Incompatible wastes not placed in same tank - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.199(a)	GPT	
6. <input checked="" type="checkbox"/> Ignitable or reactive wastes rendered safe/protected from sources of ignition or reaction - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.198(a)(1) and (2)	GPT	
7. <input checked="" type="checkbox"/> Ignitable or reactive wastes treated/stored in accordance with NFPA's buffer zone requirements - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.198(b)	GPT	

8. <input checked="" type="checkbox"/>	Volatiles with vapor pressure > 78 mm @ 25° C not placed in open tanks - 10 CSR 25-5.262(2)(C)2.D.(I)	GOR
9. <input checked="" type="checkbox"/>	Wastes and residues removed as hazardous waste and tank and equipment decontaminated upon closure - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.197(a)	GPT
10. <input checked="" type="checkbox"/>	Secondary containment system provided for tanks and equipment; installed after July 14, 1986; storing dioxin waste; over 15 years old; of unknown age in facility over 15 years old; repaired, replaced or reinstalled after July 14, 1986 - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(a)	GPT
11. <input checked="" type="checkbox"/>	Secondary containment system constructed of or lined with impervious waste compatible material - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(1)	GPT
12. <input checked="" type="checkbox"/>	Containment system supported by base capable of preventing failure due to settlement, compression or uplift - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(2)	GPT
13. <input checked="" type="checkbox"/>	Containment system provided with a leak detection system capable of detecting a release within 24 hours - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(3)	GPT
14. <input checked="" type="checkbox"/>	Containment system sloped or designed to drain and remove liquids - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B.(III)(b)	GOR
15. <input checked="" type="checkbox"/>	Containment system capable of containing 100% of the capacity of the largest tank - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B.(III)(c)	GOR
16. <input checked="" type="checkbox"/>	Containment system free of cracks or gaps - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B.(III)(a)	GOR
17. <input checked="" type="checkbox"/>	Run-on onto containment system prevented or excess capacity is provided - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B.(III)(d)	GOR
18. <input checked="" type="checkbox"/>	Spilled or leaked waste and precipitation removed from secondary containment within 24 hours or as soon as possible - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(4)	GPT
19. <input type="checkbox"/>	Tanks are clearly labeled or marked "Hazardous Waste" - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(3)	GPT
20. <input checked="" type="checkbox"/>	Daily inspections of overfill/spill control equipment, aboveground portions of tank system, secondary containment, and data gathered from monitoring equipment - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.195(a)	GPT
21. <input checked="" type="checkbox"/>	Inspection log maintained - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.195(c)	GPT
22. <input checked="" type="checkbox"/>	Cathodic protection systems inspected annually, impressed current sources every two months - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.195(b)	GPT
23. <input checked="" type="checkbox"/>	Detailed written assessment by an independent, qualified, professional engineer for tanks installed after July 14, 1986, prepared and on-site - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.192	GPT
24. <input checked="" type="checkbox"/>	Written assessment by an independent, qualified, professional engineer prepared and on-site for tanks lacking secondary containment - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.191	GPT
25. <input checked="" type="checkbox"/>	Leak test, internal inspection or tank integrity exam performed annually and documented, by an independent, qualified, professional engineer for tanks lacking secondary containment - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(i)	GPT
26. <input checked="" type="checkbox"/>	Leak/spill response resulted in: waste flow stopped immediately; waste removal; containment and removal of visible releases to the environment; notification and report; and repair or closure - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.196	GPT

# COMMENTS

# PART 2: RECORDS INSPECTION

## F. MANIFESTS

1. <input checked="" type="checkbox"/> Facility uses manifest system - 260.380.1.(6) RSMo, and 10 CSR 25-5.262(2)(B)	GMR
2. <input checked="" type="checkbox"/> Records maintained for a 3-year period - 10 CSR 25-5.262(1) incorporating 40 CFR 262.40(a)	GRR
3. <input type="checkbox"/> Generator's <u>MO &amp; EPA I.D. Numbers</u> - 10 CSR 25-5.262(2)(B)	GOR
4. <input checked="" type="checkbox"/> Manifest document, ID and consecutive shipment numbers - 10 CSR 25-5.262(2)(B)2.A.	GOR
5. <input checked="" type="checkbox"/> Generator's name, address and phone number - 10 CSR 25-5.262(2)(B)2.	GMR
6. <input type="checkbox"/> All transporters' names, phone numbers, <u>MO &amp; EPA I.D. #'s, license plate #</u> - 10 CSR 25-5.262(2)(B)2.	GMR
7. <input checked="" type="checkbox"/> Designated facility name, address, phone, MO & EPA I.D. #, - 10 CSR 25-5.262(2)(B)2.	GMR
8. <input checked="" type="checkbox"/> DOT shipping name, Hazard Class and waste I.D. # (RQ - if required) - 10 CSR 25-5.262(2)(B)2.	GMR
9. <input type="checkbox"/> Containers, quantity and specific gravity designated - 10 CSR 25-5.262(2)(B)2.	GMR
10. <input checked="" type="checkbox"/> Manifest signed and dated - 10 CSR 25-5.262(2)(B)2.	GMR
11. <input type="checkbox"/> Out of state manifests have all required MO information - 10 CSR 25-5.262(2)(B)4.A.	GOR
12. <input checked="" type="checkbox"/> Manifest continuation sheets are not used - 10 CSR 25-5.262(2)(B)1.	GOR
13. <input checked="" type="checkbox"/> Manifest returned within 35 days - or exception report submitted within 45 days - 10 CSR 25-5.262(2)(D)2.C.	GRR
14. <input type="checkbox"/> Summary Manifest Reports and manifest copies sent to DNR quarterly - 10 CSR 25-5.262(2)(D)1.	GOR

## COMMENTS

## G. LAND DISPOSAL RESTRICTIONS

1. <input checked="" type="checkbox"/> Tests waste or uses knowledge of waste to determine if the waste is restricted from land disposal - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)	GLB
2. <input checked="" type="checkbox"/> Dilution of waste to meet LDR treatment standards is not occurring - 10 CSR 25-7.268(1) incorporating 40 CFR 268.3(a)	GLB
3. <input checked="" type="checkbox"/> "Land-Ban" notification/certification, sent with manifests and retained on-site for five years - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)	GLB
4. <input checked="" type="checkbox"/> Notification/certification includes correct EPA Hazardous Waste number, corresponding treatment standards, manifest number, and waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)	GLB
5. <input checked="" type="checkbox"/> Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4)	GLB

## COMMENTS

## H. PERSONNEL TRAINING

1. <input checked="" type="checkbox"/> Personnel are trained to respond to emergencies including the use of alarm systems, emergency equipment and contingency plan - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(a)(3).	GPT
2. <input checked="" type="checkbox"/> Employees do not work in unsupervised positions until they have completed the training - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(b)	GPT
3. <input checked="" type="checkbox"/> Training reviewed annually - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(c)	GPT
4. <input checked="" type="checkbox"/> Program director trained in hazardous waste management procedures - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(a)(2)	GPT
5. <input checked="" type="checkbox"/> Personnel training plan on-site - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)	GPT

## COMMENTS



6. <input checked="" type="checkbox"/> Gives job title, job description and name of employee filling each position - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(1) and (2)	GPT	COMMENTS
7. <input checked="" type="checkbox"/> Written description of introductory and continuing training that will be given to each position - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(3)	GPT	
8. <input checked="" type="checkbox"/> Documentation of training completed by personnel - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(4)	GPT	
9. <input checked="" type="checkbox"/> Records of current personnel maintained until facility closure, former employee records maintained for at least three years - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(e)	GPT	

#### I. CONTINGENCY PLAN

1. <input checked="" type="checkbox"/> Contingency plan maintained on-site - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.53(a).	GPT	COMMENTS
2. <input checked="" type="checkbox"/> Plan submitted to local emergency response agencies - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.53(b)	GPT	
3. <input checked="" type="checkbox"/> Emergency coordinator on-site or on call - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.55	GPT	
4. <input checked="" type="checkbox"/> Plan describes actions personnel must take in response to fires, explosions or other releases of hazardous waste - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(a)	GPT	
5. <input checked="" type="checkbox"/> Describes arrangements with emergency response agencies - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(c)	GPT	
6. <input checked="" type="checkbox"/> Lists names, addresses and phone numbers (home and office) of emergency coordinators - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(d)	GPT	
7. <input checked="" type="checkbox"/> Primary emergency coordinator designated - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(d)	GPT	
8. <input checked="" type="checkbox"/> List emergency equipment including description, location and capabilities - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(e)	GPT	
9. <input checked="" type="checkbox"/> Evacuation plan, if applicable, designates primary and secondary routes and evacuation signal - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(f)	GPT	

#### J. WASTE OIL

1. <input checked="" type="checkbox"/> Waste oil is managed properly and not disposed of into the environment - 10 CSR 25-11.010(1)(D).	GOR	COMMENTS
2. <input checked="" type="checkbox"/> Listed hazardous waste mixed with waste oil is handled as a hazardous waste - 10 CSR 25-11.010(1)(C)2.	GOR	
3. <input checked="" type="checkbox"/> Registered as waste oil generator if gen./accum. 220 lb. - 10 CSR 25-11.010(2)(A)	GOR	
4. <input checked="" type="checkbox"/> Written waste oil contract maintained - 10 CSR 25-11.010(4)(C)	GOR	
5. <input checked="" type="checkbox"/> Uses a licensed transporter and receiving facility - 10 CSR 25-11.010(4)	GOR	

#### K. RESOURCE RECOVERY

1. <input checked="" type="checkbox"/> RR certification for energy recovery or reclamation of waste oil or hazardous waste on-site - 10 CSR 25-9.020(1)(A)3.	GOR	COMMENTS
2. <input checked="" type="checkbox"/> Still bottoms or RR residues disposed of properly - Section 260.380.1(5) RSMo.	GOR	
3. <input checked="" type="checkbox"/> Facility is classified as U, R1 or R2 accurately - 10 CSR 25-9.020(3)(A).	GOR	
4. <input checked="" type="checkbox"/> Facility meets the operating conditions of certification - 10 CSR 25-9.020(30)(E)3.	GOR	
5. <input checked="" type="checkbox"/> Facility has submitted a written request and received approval from the DNR for all changes in operation including closure - 10 CSR 25-9.020(3)(E) 1. and 2.	GOR	

6. <input checked="" type="checkbox"/> Facility report submitted to DNR quarterly - 10 CSR 25-9.020(3)(E)6. referencing 10 CSR 25-7.264(2)(E)3.	GOR	COMMENTS
7. <input checked="" type="checkbox"/> Facility maintains a written operating record - 10 CSR 25-9.020(3)(E)5. referencing 40 CFR 264.73(b)(1) & (2) as modified by 10 CSR 25-7.264(2)(E)2.	GOR	
8. <input checked="" type="checkbox"/> Facility has notified EPA and the state that it qualifies for a small quantity on-site burner exemption or has interim status or a permit if it burns hazardous waste on-site - 10 CSR 25-7.266(1) incorporating 40 CFR 266.108 and 40 CFR 266.103.	GOR	
9. <input checked="" type="checkbox"/> R2 facility uses an adequate sampling and analysis plan to assess incoming shipments - 10 CSR 25-9.020(3)(C)1.	GOR	
10. <input checked="" type="checkbox"/> R2 facility maintains a daily log of manifest number, wastes received, disposition of waste and corresponding sampling data - 10 CSR 25-9.020(3)(C)2.	GOR	
11. <input checked="" type="checkbox"/> R2 facility has a written closure plan which meets 40 CFR 264.112 requirements - 10 CSR 25-9.020(3)(C)3.	GOR	
12. <input checked="" type="checkbox"/> R2 facility provides financial assurance for closure - 10 CSR 25-9.020(3)(C)4.	GOR	

#### CHECKLIST KEY

Check the ☒ if in compliance.

Circle the ☐ if not in compliance and provide comment.

N/A = Not Applicable

A shaded item is a serious deviation from the requirements (Class I violation)

An unshaded item is a significant deviation from the requirements (Class II violation unless conditions warrant Class I)

COMMENTS: INCLUDE DISCUSSION OF FACILITY'S WASTE MINIMIZATION PLAN

INSPECTOR'S SIGNATURE

*Joseph L. Trumbly*

DATE

6-30-93

# HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSAL FACILITY

## PERMITTED FACILITY CHECKLIST

Name of Facility: McDonnell Douglas Aerospace East (Tract I)

Date 6/10/93 & 6/11/93

Address: P.O. Box 516, Mail Code 10033-77

Missouri I.D. # 001001

St. Louis, Mo 63166-0516

EPA I.D. # MO D00818963

Facility Representative: Joe Haake

Transporter? ☒ # H-1039

Title: Group Manager

Phone Number (314) 232-3319

Provide a brief description of the treatment, storage or disposal process, if the process has changed from the description in the permit application.

Permit modifications were submitted in 1990 & 1991 requesting numerous changes to storage permit OSO 062284 002. Information concerning these modifications is included in the report.

List the hazardous wastes, if any, that are not listed in the application or permit but that are found being treated, stored, disposed or recycled:

	Waste	Amount/Month	Kilogram/Month	I.D.#	Disposition
1.					
2.	<u>None</u>				
3.					
4.					
	Total				

Are the manifest(s) and quarterly summary reports being completed and filed with the Department of Natural Resources at P.O. Box 176, Jefferson City, MO, 65102 as required,

yes ☒ no ☐



	ID - FOR OFFICIAL USE ONLY
C W	T/A C 1

**DESCRIPTION OF HAZARDOUS WASTE**

**A. Wastes from Nonspecific Sources (F-List).** Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Below each number, enter monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.	F	0	0	9																
AMOUNT AND FREQUENCY	200 lbs.				B				lbs.				lbs.				lbs.			

**B. Wastes from Specific Sources (K-List).** Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific sources your installation handles. Below each number, enter the monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.																			
AMOUNT AND FREQUENCY	lbs.				lbs.				lbs.				lbs.						

**C. Commercial Chemical Product Wastes (W and P Lists).** Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be hazardous waste. Below each number, enter the monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.	P	0	3	0	P	1	0	6																
AMOUNT AND FREQUENCY	10 lbs.				B				10 lbs.				B				lbs.				lbs.			

**D. (Reserved)**

**E. Characteristics of Nonlisted Hazardous Wastes.** Mark an 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24) Below each box that you check, enter the monthly generation amount expressed in pounds and generation frequency code A, B, or C.

AMOUNT AND FREQUENCY	1. IGNITABLE (D001)				2. CORROSIVE (D002)				3. REACTIVE (D003)											
	lbs.				lbs.				lbs.											

AMOUNT AND FREQUENCY	4. TOXIC Enter the four-digit number which identifies each characteristic toxic waste. Below each number, enter the monthly generation amount and frequency.																			
	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">X</div> <div style="display: flex;"> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">D</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">0</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">0</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">2</div> </div> </div>				<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">D</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">0</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">0</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">6</div> </div>				<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">D</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">0</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">0</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">7</div> </div>				<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">D</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">0</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">0</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">8</div> </div>				<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">D</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">0</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">0</div> <div style="border: 1px solid black; padding: 2px; margin-right: 2px;">8</div> </div>			
	3000 lbs. A				2000 lbs. A				10,000 lbs.				250 lbs. A							

**MISSOURI REQUIRED INFORMATION**

MISSOURI GENERATOR ID NUMBER (IF PREVIOUSLY ASSIGNED)	01001
PRINCIPAL BUSINESS ACTIVITY	
S.I.C. CODE (LEAVE BLANK IF UNCERTAIN)	
CHECK THIS BOX IF YOU GENERATE/ACCUMULATE LESS THAN A REPORTABLE QUANTITY	<input type="checkbox"/>

**XI. CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME AND OFFICIAL TITLE (TYPE OR PRINT)	DATE
	Robert H. Kaatman, Mgr.	26 Sep 90

## ID - FOR OFFICIAL USE ONLY

C  
WT/A  
C  
1

## DESCRIPTION OF HAZARDOUS WASTE

A. Wastes from Nonspecific Sources (F-List). Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Below each number, enter monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.

AMOUNT AND  
FREQUENCY

lbs.

lbs.

lbs.

lbs.

B. Wastes from Specific Sources (K-List). Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific sources your installation handles. Below each number, enter the monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.

AMOUNT AND  
FREQUENCY

lbs.

lbs.

lbs.

lbs.

C. Commercial Chemical Product Wastes (W and P Lists). Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be hazardous waste. Below each number, enter the monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.

AMOUNT AND  
FREQUENCY

lbs.

lbs.

lbs.

lbs.

D. (Reserved)

E. Characteristics of Nonlisted Hazardous Wastes. Mark an 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24) Below each box that you check, enter the monthly generation amount expressed in pounds and generation frequency code A, B, or C.

AMOUNT AND  
FREQUENCY1. IGNITABLE  
(D001)

lbs.

2. CORROSIVE  
(D002)

lbs.

3. REACTIVE  
(D003)

lbs.

AMOUNT AND  
FREQUENCY

X

4. TOXIC Enter the four-digit number which identifies each characteristic toxic waste. Below each number, enter the monthly generation amount and frequency.

D002 D003 D004  
D006 D010

264,000 lbs.

A

D002 D004 D006  
D007 D008 D010

290

lbs.

B

D002 D007  
D008 D010

10,700 lbs.

A

D002 D004  
D007 D008

4800 lbs.

A

## MISSOURI REQUIRED INFORMATION

MISSOURI GENERATOR ID NUMBER (IF PREVIOUSLY ASSIGNED) 01001

PRINCIPAL BUSINESS ACTIVITY

S.I.C. CODE (LEAVE BLANK IF UNCERTAIN)

CHECK THIS BOX IF YOU GENERATE/ACCUMULATE LESS THAN A REPORTABLE QUANTITY

☐

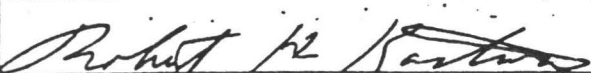
## XI. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE

NAME AND OFFICIAL TITLE (TYPE OR PRINT)

DATE



Robert H. Kaatman, Mgr.

26 Sep 90

**MCDONNELL DOUGLAS**

McDonnell Douglas Aerospace

14 May 1993

Mr. Kenneth J. Davis  
Environmental Specialist  
Waste Management Program  
P.O. Box 176  
Jefferson City, MO 65102

CERTIFIED MAIL - RETURN RECEIPT

Dear Mr. Davis:

Enclosed are our Generator's Hazardous Waste Report Summary sheets and our Facility Quarterly Summary Report for the first quarter of 1993.

If you have any questions, please contact Joe Haake at 314-232-6941.

Sincerely,



Debbie Quargnenti, Departmental Assistant  
Environmental and Hazardous Materials Services  
Dept. 064C, Mail Code ~~0343530~~ 1003377  
314-234-3631

dq



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 176  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176

MCDONNELL DOUGLAS CORPORATION TRACT I  
CONTACT: JOE HAAKE  
MCDONNELL & LINDBERGH BLVD.  
HAZELWOOD MO 63042

EPAID=MOD000818963 MOID=001001

## GENERATOR'S HAZARDOUS WASTE SUMMARY REPORT - PART I

GENERATOR'S EPA ID NUMBER

M-0-D-0-0-0-8-1-8-9-6-3

GENERATOR'S MISSOURI ID NUMBER

0-0-1-0-0-1

NOTE: THE FEDERAL EPA AND MISSOURI GENERATOR ID NUMBERS ARE ASSIGNED EXCLUSIVELY TO THE SITE WHERE WASTE IS PRODUCED. YOU MUST NOTIFY THE DEPARTMENT IF THE ADDRESS FOR THE SITE OF GENERATION CHANGES.

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

### SECTION A - REPORT IDENTIFICATION

1. TYPE OF REPORT (CHECK ONE)

☒ QUARTERLY ☐ ANNUAL

(IF ANNUAL CHECKED, PLACE X IN 6-30 BOX)

2. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30-\_\_ (YEAR)

☐ 12-31-\_\_ (YEAR)

☒ 3-31-93 (YEAR)

☐ 6-30-\_\_ (YEAR)

3. PAGE

1 OF 11

### SECTION B - GENERATOR IDENTIFICATION

NOTE: Any change in either the mailing or site address from previous reports requires renotification to the Department.

4. GENERATOR'S NAME ☒ SAME AS LABEL

MCDONNELL DOUGLAS CORPORATION

5. GENERATOR CONTACT PERSON (NAME) ☒ SAME AS LABEL

JOE HAAKE

TELEPHONE NUMBER

314-232-3319

6. MAILING ADDRESS

P.O. BOX 516, MAIL CODE 1003377

CITY

ST. LOUIS

STATE

MO

ZIP CODE

63166

7. PLANT SITE ADDRESS ☒ SAME AS LABEL

LINDBERGH & MCDONNELL BLVD.

CITY

HAZELWOOD

STATE

MO

ZIP CODE

63042

8. NAME OF PARENT FIRM

MCDONNELL DOUGLAS CORPORATION

OFFICE USE ONLY

### SECTION C - STATUS OF WASTE GENERATED (CHECK ONE)

☒ 9. SHIPPED OFF-SITE. Complete part 2, attach completed hazardous waste manifests, sign certification and transmit to the department.

☐ 10. REPORTABLE QUANTITY NOT GENERATED. Sign certification and transmit to the department. (Do not complete Part 2)

☐ 11. REPORTABLE QUANTITY GENERATED BUT NOT SHIPPED OFF-SITE THIS QUARTER. Sign certification and transmit to the department. (Do not complete Part 2)

### SECTION D - COMMENTS

12.

### SECTION E - CERTIFICATION STATEMENT

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

PRINT NAME

ROBERT H. KAATMAN

SIGNATURE

*R. Kaatman*

DATE

14 May 93

	ID - FOR OFFICIAL USE ONLY
C W	T/A C 1

**X. DESCRIPTION OF HAZARDOUS WASTE**  
**A. Wastes from Nonspecific Sources (F-List).** Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Below each number, enter monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.	F	0	0	1	F	0	0	2	F	0	0	3	F	0	0	6
	D	0	4	0	D	0	4	0	D	0	0	3	D	0	1	9
AMOUNT AND FREQUENCY	3800 lbs. A				8300 lbs. A				25,000 lbs. A				200,000 lbs. A			

**B. Wastes from Specific Sources (K-List).** Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific sources your installation handles. Below each number, enter the monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.																				
AMOUNT AND FREQUENCY																				

**C. Commercial Chemical Product Wastes (W and P Lists).** Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be hazardous waste. Below each number, enter the monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.	U	1	2	2	U	1	8	8	U	2	2	3	U	2	2	6
AMOUNT AND FREQUENCY	10 lbs. B				10 lbs. B				10 lbs. B				10 lbs. B			

**D. (Reserved)**  
**E. Characteristics of Nonlisted Hazardous Wastes.** Mark an 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24) Below each box that you check, enter the monthly generation amount expressed in pounds and generation frequency code A, B, or C.

	X	1. IGNITABLE (D001)		X	2. CORROSIVE (D002)		X	3. REACTIVE (D003)
AMOUNT AND FREQUENCY	30,000 lbs. B			6000 lbs. A			1000 lbs. A	

	X	4. TOXIC Enter the four-digit number which identifies each characteristic toxic waste. Below each number, enter the monthly generation amount and frequency.		X	4. TOXIC Enter the four-digit number which identifies each characteristic toxic waste. Below each number, enter the monthly generation amount and frequency.		X	4. TOXIC Enter the four-digit number which identifies each characteristic toxic waste. Below each number, enter the monthly generation amount and frequency.
AMOUNT AND FREQUENCY	10 lbs. B			90,000 lbs. A			10 lbs. B	

**MISSOURI REQUIRED INFORMATION**

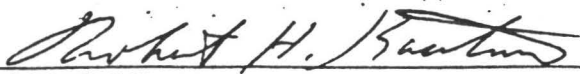
MISSOURI GENERATOR ID NUMBER (IF PREVIOUSLY ASSIGNED) 01001

PRINCIPAL BUSINESS ACTIVITY Military Aircraft Manufacturing

S.I.C. CODE (LEAVE BLANK IF UNCERTAIN) 3721

CHECK THIS BOX IF YOU GENERATE/ACCUMULATE LESS THAN A REPORTABLE QUANTITY ☐

**XI. CERTIFICATION**  
 I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE 	NAME AND OFFICIAL TITLE (TYPE OR PRINT) Robert H. Kaatman, Mgr.	DATE 26 Sep 90
---	--	-------------------



	ID - FOR OFFICIAL USE ONLY
C W	T/A C 1

**DESCRIPTION OF HAZARDOUS WASTE**

**A. Wastes from Nonspecific Sources (F-List).** Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Below each number, enter monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.	F 0 0 9						
AMOUNT AND FREQUENCY	200 lbs. B	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.

**B. Wastes from Specific Sources (K-List).** Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific sources your installation handles. Below each number, enter the monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.							
AMOUNT AND FREQUENCY	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.

**C. Commercial Chemical Product Wastes (W and P Lists).** Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be hazardous waste. Below each number, enter the monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.	P 0 3 0	P 1 0 6				
AMOUNT AND FREQUENCY	10 lbs. B	10 lbs. B	lbs.	lbs.	lbs.	lbs.

**D. (Reserved)**

**E. Characteristics of Nonlisted Hazardous Wastes.** Mark an 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24) Below each box that you check, enter the monthly generation amount expressed in pounds and generation frequency code A, B, or C.

	1. IGNITABLE (D001)	2. CORROSIVE (D002)	3. REACTIVE (D003)
AMOUNT AND FREQUENCY	lbs.	lbs.	lbs.

	4. TOXIC Enter the four-digit number which identifies each characteristic toxic waste. Below each number, enter the monthly generation amount and frequency.		
X	D 0 0 2 D 0 0 8	D 0 0 2 D 0 0 6 D 0 0 7	D 0 0 2 D 0 0 7 D 0 0 8
AMOUNT AND FREQUENCY	3000 lbs. A	2000 lbs. A	10,000 lbs. A

**MISSOURI REQUIRED INFORMATION**

MISSOURI GENERATOR ID NUMBER (IF PREVIOUSLY ASSIGNED) 01001

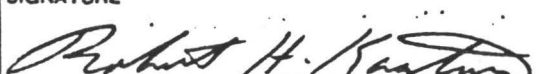
PRINCIPAL BUSINESS ACTIVITY \_\_\_\_\_

S.I.C. CODE (LEAVE BLANK IF UNCERTAIN)  

CHECK THIS BOX IF YOU GENERATE/ACCUMULATE LESS THAN A REPORTABLE QUANTITY ☐

**XI. CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE 	NAME AND OFFICIAL TITLE (TYPE OR PRINT) Robert H. Kaatman, Mgr.	DATE 26 Sep 90
---	--	-------------------

## ID - FOR OFFICIAL USE ONLY

C  
WT/A  
C  
1

## DESCRIPTION OF HAZARDOUS WASTE

A. Wastes from Nonspecific Sources (F-List). Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Below each number, enter monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.

AMOUNT AND  
FREQUENCY

lbs.

lbs.

lbs.

lbs.

B. Wastes from Specific Sources (K-List). Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific sources your installation handles. Below each number, enter the monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.

AMOUNT AND  
FREQUENCY

lbs.

lbs.

lbs.

lbs.

C. Commercial Chemical Product Wastes (W and P Lists). Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be hazardous waste. Below each number, enter the monthly generation amount in pounds and frequency code A, B, or C.

WASTE I.D. NO.

AMOUNT AND  
FREQUENCY

lbs.

lbs.

lbs.

lbs.

D. (Reserved)

E. Characteristics of Nonlisted Hazardous Wastes. Mark an 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24) Below each box that you check, enter the monthly generation amount expressed in pounds and generation frequency code A, B, or C.

AMOUNT AND  
FREQUENCY1. IGNITABLE  
(D001)

lbs.

2. CORROSIVE  
(D002)

lbs.

3. REACTIVE  
(D003)

lbs.

AMOUNT AND  
FREQUENCY

X

4. TOXIC Enter the four-digit number which identifies each characteristic toxic waste. Below each number, enter the monthly generation amount and frequency.

D002 D003 D004  
D006 D010

264,000 lbs. A

D002 D004 D006  
D007 D008 D010

290 lbs. B

D002 D007  
D008 D010

10,700 lbs. A

D002 D004  
D007 D008

4800 lbs. A

## MISSOURI REQUIRED INFORMATION

MISSOURI GENERATOR ID NUMBER (IF PREVIOUSLY ASSIGNED) 01001

PRINCIPAL BUSINESS ACTIVITY

S.I.C. CODE (LEAVE BLANK IF UNCERTAIN)

CHECK THIS BOX IF YOU GENERATE/ACCUMULATE LESS THAN A REPORTABLE QUANTITY

☐

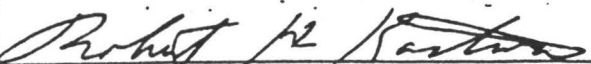
## XI. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE

NAME AND OFFICIAL TITLE (TYPE OR PRINT)

DATE



Robert H. Kaatman, Mgr.

26 Sep 90



**MCDONNELL DOUGLAS**

McDonnell Douglas Aerospace

14 May 1993

Mr. Kenneth J. Davis  
Environmental Specialist  
Waste Management Program  
P.O. Box 176  
Jefferson City, MO 65102

CERTIFIED MAIL - RETURN RECEIPT

Dear Mr. Davis:

Enclosed are our Generator's Hazardous Waste Report Summary sheets and our Facility Quarterly Summary Report for the first quarter of 1993.

If you have any questions, please contact Joe Haake at 314-232-6941.

Sincerely,



Debbie Quargnenti, Departmental Assistant  
Environmental and Hazardous Materials Services  
Dept. 064C, Mail Code ~~0343530~~ 1003377  
314-234-3631

dq





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 176  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176

MCDONNELL DOUGLAS CORPORATION TRACT I  
CONTACT: JOE HAAKE  
MCDONNELL & LINDBERGH BLVD.  
HAZELWOOD MO 63042

EPAID=MOD000818963 MOID=001001

## GENERATOR'S HAZARDOUS WASTE SUMMARY REPORT - PART I

GENERATOR'S EPA ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

GENERATOR'S MISSOURI ID NUMBER

0.0.1.0.0.1

NOTE: THE FEDERAL EPA AND MISSOURI GENERATOR ID NUMBERS ARE ASSIGNED EXCLUSIVELY TO THE SITE WHERE WASTE IS PRODUCED. YOU MUST NOTIFY THE DEPARTMENT IF THE ADDRESS FOR THE SITE OF GENERATION CHANGES.

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

### SECTION A - REPORT IDENTIFICATION

1. TYPE OF REPORT (CHECK ONE)

☒ QUARTERLY ☐ ANNUAL

(IF ANNUAL CHECKED, PLACE X IN 6-30 BOX)

2. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30-\_\_ (YEAR)

☐ 12-31-\_\_ (YEAR)

☒ 3-31-93 (YEAR)

☐ 6-30-\_\_ (YEAR)

3. PAGE

1 OF 11

### SECTION B - GENERATOR IDENTIFICATION

NOTE: Any change in either the mailing or site address from previous reports requires renotification to the Department.

4. GENERATOR'S NAME ☒ SAME AS LABEL

MCDONNELL DOUGLAS CORPORATION

5. GENERATOR CONTACT PERSON (NAME) ☒ SAME AS LABEL

JOE HAAKE

TELEPHONE NUMBER

314-232-3319

6. MAILING ADDRESS

P.O. BOX 516, MAIL CODE 1003377

CITY

ST. LOUIS

STATE

MO

ZIP CODE

63166

7. PLANT SITE ADDRESS ☒ SAME AS LABEL

LINDBERGH & MCDONNELL BLVD.

CITY

HAZELWOOD

STATE

MO

ZIP CODE

63042

8. NAME OF PARENT FIRM

MCDONNELL DOUGLAS CORPORATION

OFFICE USE ONLY

### SECTION C - STATUS OF WASTE GENERATED (CHECK ONE)

9. ☒ SHIPPED OFF-SITE. Complete part 2, attach completed hazardous waste manifests, sign certification and transmit to the department.

10

☐ REPORTABLE QUANTITY NOT GENERATED. Sign certification and transmit to the department. (Do not complete Part 2)

11

☐ REPORTABLE QUANTITY GENERATED BUT NOT SHIPPED OFF-SITE THIS QUARTER. Sign certification and transmit to the department. (Do not complete Part 2)

### SECTION D - COMMENTS

12.

### SECTION E - CERTIFICATION STATEMENT

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

PRINT NAME

ROBERT H. KAATMAN

SIGNATURE

*Robert H. Kaatman*

DATE

14 May 93



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 176  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
**GENERATOR'S HAZARDOUS WASTE  
REPORT SUMMARY SHEET - PART II**

**BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME  
AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.**

GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

M 0 D 0 0 0 8 1 8 9 6 3

MISSOURI ID NUMBER

0 0 1 0 0 1

**NOTE** ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

**ATTENTION:** Summarize all shipments made to the Hazardous Waste Management Facility you have identified in Section G below. Additional pages are required for each off-site management facility utilized.

**SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30- (YEAR)

☐ 12-31- (YEAR)

☒ 3-31- 93 (YEAR)

☐ 6-30- (YEAR)

2. PAGE

2 OF 11

**SECTION G - FACILITY IDENTIFICATION**

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Safety-Kleen Envirosystems

5. FACILITY SITE ADDRESS

633 East 138th Street

CITY

Dolton

STATE

IL

ZIP CODE

60419

4. FACILITY'S EPA I.D. NUMBER

I L D 9 8 0 6 1 3 9 1 3

6. FACILITY'S MISSOURI I.D. NUMBER

R R I L 1 8

**SECTION H - WASTE IDENTIFICATION**

LINE	DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	DOT HAZARD CODE	EPA HAZARDOUS WASTE NUMBER	TAX CODE (SEE INST.)	TOTAL AMOUNT OF WASTE	UNIT OF MEAS.	SPECIFIC GRAVITY	FINAL HANDLING CODE
1	Chlorinated solvent from painting/paint removal	1 3	P 0 0 1 D 0 4 0	A	2,915	P	.	T 5 0
2	Ignitable solvents from painting/metal cleaning	0 8	P 0 0 3 D 0 0 1 D 0 3 5	A	10,120	P	.	T 5 0
3		.	.				.	.
4	Flammable/chlorinated solvents	0 8	P 0 0 2 P 0 0 5 D 0 0 7 D 0 3 5	A	1,023	P	.	T 5 0
5		.	D 0 0 8 D 0 4 0				.	.
6	Oil contaminated with chlorinated solvents	1 3	P 0 0 1 D 0 3 9	A	12,238	P	.	T 5 0
7		.	.				.	.
8		.	.				.	.

**SECTION I - TRANSPORTATION SERVICES UTILIZED**

15. COMPANY NAME	16. MISSOURI ID NO	17. US EPA ID NUMBER
a. Schneider Tank Lines, Inc.	H 1 4 3 1	W I D 9 8 0 9 0 4 7 4 2
b.	H . . . . .	. . . . .
c.	H . . . . .	. . . . .

**SECTION J - COMMENTS**

18.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 178  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
**GENERATOR'S HAZARDOUS WASTE  
REPORT SUMMARY SHEET - PART II**

**BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME  
AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.**

GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

M.O.D.0.0.0.8.1.8.9.6.3

MISSOURI ID NUMBER

0.0.1.0.0.1

**NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE**

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**SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30- (YEAR)

☐ 12-31- (YEAR)

☒ 3-31-93 (YEAR)

☐ 6-30- (YEAR)

2. PAGE

3 OF 11

**SECTION G - FACILITY IDENTIFICATION**

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Heritage Environmental Services, Inc.

5. FACILITY SITE ADDRESS

7901 West Morris Street

CITY

Indianapolis

STATE

IN

ZIP CODE

46231

4. FACILITY'S EPA ID NUMBER

I.N.D.0.9.3.2.1.9.0.1.2

6. FACILITY'S MISSOURI ID NUMBER

R.R.I.N.0.3

**SECTION H - WASTE IDENTIFICATION**

LINE	7 DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8 DOT HAZARD CODE	9 EPA HAZARDOUS WASTE NUMBER	10 TAX CODE (SEE INST)	11 TOTAL AMOUNT OF WASTE	12 UMT OF MEAS.	13 SPECIFIC GRAVITY	14 FINAL HANDLING CODE
1	Acid from plating/anodizing aluminum/titanium	0 2	D 0 0 2 D 0 0 5 D 0 0 7 . . .		34,260	P	:	T 0 4
2	Acid from metal surface passivate	0 2	D 0 0 2 D 0 0 7 . . . . .		26,200	P	:	T 0 4
3	Industrial wastewater pretreatment sludge	1 5	D 0 0 3 F 0 0 6 F 0 1 9 . . .		26,820	P	:	T 0 4
4	Water-emulsified cutting oil	.	D 0 9 8 . . . . . . . .		224,760	P	:	T 5 0
5		.	. . . . .				:	. . .
6		.	. . . . .				:	. . .
7		.	. . . . .				:	. . .
8		.	. . . . .				:	. . .

**SECTION I - TRANSPORTATION SERVICES UTILIZED**

15 COMPANY NAME	16 MISSOURI ID NO	17 US EPA ID NUMBER
a Heritage Transport, Inc.	H . . 1 4 6 4	I . N . D . 0 5 8 4 8 4 1 1 4
b	H . . . . .	. . . . .
c	H . . . . .	. . . . .

**SECTION J - COMMENTS**

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.



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M.O.D.0.0.0.8.1.8.9.6.3

MISSOURI ID NUMBER

0.0.1.0.0.1

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☐ 12-31- (YEAR)

☒ 3-31- 93 (YEAR)

☐ 6-30- (YEAR)

2. PAGE

4 OF 11

**SECTION G - FACILITY IDENTIFICATION**

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Aptus, Inc.

5. FACILITY SITE ADDRESS

P.O. Box 1328/Hwy. 169 North

CITY

Coffeyville

STATE

KS

ZIP CODE

67337

4. FACILITY'S EPA I.D. NUMBER

K.S.D.9.8.1.5.0.6.0.2.5

6. FACILITY'S MISSOURI I.D. NUMBER

**SECTION H - WASTE IDENTIFICATION**

LINE	7 DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8 DOT HAZARD CODE	9 EPA HAZARDOUS WASTE NUMBER	10 TAX CODE (SEE INST)	11 TOTAL AMOUNT OF WASTE	12 UNIT OF MEAS.	13 SPECIFIC GRAVITY	14 FINAL HANDLING CODE
1	PCB-contaminated debris	15	. . . . .	A	297	P	.	T 0 3
2	PCB-contaminated oil	1 5	. . . . .	A	7,693	P	.	T 0 3
3	PCB-contaminated transformers	1 5	. . . . .	A	12,608	P	.	T 0 3
4		.	. . . . .				.	. .
5		.	. . . . .				.	. .
6		.	. . . . .				.	. .
7		.	. . . . .				.	. .
8		.	. . . . .				.	. .

**SECTION I - TRANSPORTATION SERVICES UTILIZED**

15 COMPANY NAME	16 MISSOURI ID NO	17 US EPA ID NUMBER
Aptus, Inc.	H . . 1 3 4 5	M . N . D . 9 . 8 . 0 . 7 . 9 . 1 . 3 . 2 . 1
	H . . . . .	. . . . .
	H . . . . .	. . . . .

**SECTION J - COMMENTS**

18.

Box 6 left blank per Ken Purvis of MoDNR





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 176  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
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REPORT SUMMARY SHEET - PART II**

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GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

M 0 0 D 0 0 0 8 1 8 9 6 3

MISSOURI ID NUMBER

0 0 1 0 0 1

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☒ 3-31-93 (YEAR) ☐ 6-30-\_\_\_\_ (YEAR)

2. PAGE

5 of 11

**SECTION G - FACILITY IDENTIFICATION**

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Safety-Kleen Corporation

5. FACILITY SITE ADDRESS

State Hwy. 146

4. FACILITY'S EPA I.D. NUMBER

K.Y.D.0.5.3.3.4.8.1.0.8

6. FACILITY'S MISSOURI I.D. NUMBER

R.R.K.Y.0.2

CITY

New Castle

STATE

KY

ZIP CODE

40050

**SECTION H - WASTE IDENTIFICATION**

LINE	7 DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8 DOT HAZARD CODE	9 EPA HAZARDOUS WASTE NUMBER	10 TAX CODE (SEE INST.)	11 TOTAL AMOUNT OF WASTE	12 UNIT OF MEAS.	13 SPECIFIC GRAVITY	14 FINAL HANDLING CODE
1	Ignitable solvents from painting/metal cleaning	0 8	F 0 0 3 F 0 0 5 D 0 0 1 D 0 0 7	A	19,940	P	.	T 5 0
2		.	D 0 3 5 . . .				.	. .
3	Ignitable solvents from painting/metal cleaning	0 8	D 0 0 1 D 0 0 7 D 0 0 8 D 0 3 5	A	25,440	P	.	T 5 0
4		.	F 0 0 2 F 0 0 3 F 0 0 5 . . .				.	. .
5	Oil contaminated with chlorinated solvents	1 3	F 0 0 2 F 0 0 3 F 0 0 5 . . .	A	7,680	P	.	T 5 0
6		.	. . . . .				.	. .
7		.	. . . . .				.	. .
8		.	. . . . .				.	. .

**SECTION I - TRANSPORTATION SERVICES UTILIZED**

15 COMPANY NAME	16 MISSOURI ID NO	17 US EPA ID NUMBER
a Schneider Tank Lines, Inc.	H . . 1 4 3 1	W I D 9 8 0 9 0 4 7 4 2
b Schiber Truck Company	H . . 1 4 2 7	I L D 0 0 6 4 9 3 1 9 1
c	H . . . . .	. . . . .

**SECTION J - COMMENTS**

18.





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 178  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3178  
**GENERATOR'S HAZARDOUS WASTE  
REPORT SUMMARY SHEET - PART II**

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AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.**

GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

M.O.D.0.0.0.8.1.8.9.6.3

MISSOURI ID NUMBER

0.0.1.0.0.1

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☐ 12-31-\_\_\_\_ (YEAR)

☒ 3-31-93 (YEAR)

☐ 6-30-\_\_\_\_ (YEAR)

2. PAGE

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**SECTION G - FACILITY IDENTIFICATION**

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

LWD, Inc.

5. FACILITY SITE ADDRESS

P.O. Box 327, Hwy. 1523

CITY

Calvert City

STATE

KY

ZIP CODE

42029

4. FACILITY'S EPA I.D. NUMBER

K.Y.D.0.8.8.4.3.8.8.1.7

6. FACILITY'S MISSOURI I.D. NUMBER

I.N.K.Y.0.3

**SECTION H - WASTE IDENTIFICATION**

LINE	7 DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8 DOT HAZARD CODE	9 EPA HAZARDOUS WASTE NUMBER	10 TAX CODE (SEE INST)	11 TOTAL AMOUNT OF WASTE	12 UNIT OF MEAS.	13 SPECIFIC GRAVITY	14 FINAL HANDLING CODE
1	Oil contaminated with chlorinated solvents	13	F.0.0.2 F.0.0.3 F.0.0.5 . . .	A	32,060	P	.	T 0 3
2		.	. . . . .				.	. .
3		.	. . . . .				.	. .
4		.	. . . . .				.	. .
5		.	. . . . .				.	. .
6		.	. . . . .				.	. .
7		.	. . . . .				.	. .
8		.	. . . . .				.	. .

**SECTION I - TRANSPORTATION SERVICES UTILIZED**

15 COMPANY NAME	16 MISSOURI ID NO	17 US EPA ID NUMBER
a LWD Trucking, Inc.	H. . . 1.0.8.2	K.Y.D.9.8.1.4.7.7.8.2.1
b	H. . . . .	. . . . .
c	H. . . . .	. . . . .

**SECTION J - COMMENTS**

18.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 178  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
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GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

M.0.D.0.0.0.8.1.8.9.6.3

MISSOURI ID NUMBER

0.0.1.0.0.1

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☐ 12-31- (YEAR)

☒ 3-31- 93 (YEAR)

☐ 6-30- (YEAR)

2. PAGE

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**SECTION G - FACILITY IDENTIFICATION**

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Safety-Kleen Corporation

5. FACILITY SITE ADDRESS

4526 Towne Ct.

CITY

St. Charles

STATE

MO

ZIP CODE

63304

4. FACILITY'S EPA I.D. NUMBER

M.0.D.0.9.5.4.8.6.3.1.2

6. FACILITY'S MISSOURI I.D. NUMBER

H.H.0.0.2.3

**SECTION H - WASTE IDENTIFICATION**

LINE	7 DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. DOT HAZARD CODE	9. EPA HAZARDOUS WASTE NUMBER	10. TAX CODE (SEE INST.)	11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13 SPECIFIC GRAVITY	14. FINAL HANDLING CODE
1	Combustible solvent from painting/metal cleaning	0 1	D 0 0 1 . . .		2,527	P	.	T 5 4
2	Corrosive liquid from parts cleaning	0 2	D 0 0 6 D 0 0 8 . . .		196	P	.	T 5 4
3		.	. . . . .				.	. .
4		.	. . . . .				.	. .
5		.	. . . . .				.	. .
6		.	. . . . .				.	. .
7		.	. . . . .				.	. .
8		.	. . . . .				.	. .

**SECTION I - TRANSPORTATION SERVICES UTILIZED**

15 COMPANY NAME	16 MISSOURI ID NO	17 US EPA ID NUMBER
a Safety-Kleen Corporation	H . . 1 2 7 3	M 0 D 0 9 5 4 8 6 3 1 2
b	H . . . . .	. . . . .
c	H . . . . .	. . . . .

**SECTION J - COMMENTS**

18.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 178  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
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McDonnell Douglas Corporation

EPA ID NUMBER

M.O.D.0.0.0.8.1.8.9.6.3

MISSOURI ID NUMBER

0.0.1.0.0.1

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☐ 12-31- (YEAR)

☒ 3-31-93 (YEAR)

☐ 6-30- (YEAR)

2. PAGE

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**SECTION G - FACILITY IDENTIFICATION**

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Safety-Kleen Corporation

4. FACILITY'S EPA I.D. NUMBER

0.H.D.9.8.0.5.8.7.3.6.4

5. FACILITY SITE ADDRESS

581 Milliken Drive Southeast.

6. FACILITY'S MISSOURI I.D. NUMBER

R.R.0.H.0.1

CITY

Hebron

STATE

OH

ZIP CODE

43025

**SECTION H - WASTE IDENTIFICATION**

LINE	7 DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8 DOT HAZARD CODE	9 EPA HAZARDOUS WASTE NUMBER	10 TAX CODE (SEE INST.)	11 TOTAL AMOUNT OF WASTE	12 UNIT OF MEAS.	13 SPECIFIC GRAVITY	14 FINAL HANDLING CODE
1	Chlorinated solvent from degreasing	13	F.0.0.1 D.0.4.0	A	23,320	P	.	T.0.4
2		.	.				.	.
3		.	.				.	.
4		.	.				.	.
5		.	.				.	.
6		.	.				.	.
7		.	.				.	.
8		.	.				.	.

**SECTION I - TRANSPORTATION SERVICES UTILIZED**

15 COMPANY NAME	16 MISSOURI ID NO	17 US EPA ID NUMBER
a Schneider Tank Lines	H. . . 1.4.3.1	W. I. D. 9.8.0.9.0.4.7.4.2
b	H. . . . .	. . . . .
c	H. . . . .	. . . . .

**SECTION J - COMMENTS**

T04: Recycling



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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McDonnell Douglas Corporation

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M.O.D.O.O.O.8.1.8.9.6.3

MISSOURI ID NUMBER

0.0.1.0.0.1

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☒ 3-31- 93 (YEAR)

☐ 6-30- (YEAR)

2. PAGE

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**SECTION G - FACILITY IDENTIFICATION**

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Rollins Environmental Services (TX) Inc.

5. FACILITY SITE ADDRESS

P.O. Box 609, 2027 Battleground Rd.

CITY

Deer Park

STATE

TX

ZIP CODE

77536

4. FACILITY'S EPA I.D. NUMBER

T.X.D.O.5.5.1.4.1.3.7.8

6. FACILITY'S MISSOURI I.D. NUMBER

I.N.T.X.1.6

**SECTION H - WASTE IDENTIFICATION**

LINE	DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	DOT HAZARD CODE	EPA HAZARDOUS WASTE NUMBER	TAX CODE (SEE INST.)	TOTAL AMOUNT OF WASTE	UNIT OF MEAS.	SPECIFIC GRAVITY	FINAL HANDLING CODE
1	Debris from aircraft servicing/painting	1 5	F 0 0 2 F 0 0 3 F 0 0 5 D 0 0 7		97,120	P	.	T 0 3
2	PCB-contaminated ballasts	1 5	. . . . .	A	23,802	P	.	T 0 3
3	PCB-contaminated debris	1 5	. . . . .	A	480	P	.	T 0 3
4	Corrosive laboratory chemicals	0 2	D 0 0 2 . . . . .	A	8	P	.	T 0 3
5	Miscellaneous laboratory chemicals	1 2	D 0 0 1 . . . . .	A	28	P	.	T 0 3
6	Flammable laboratory chemicals	0 8	D 0 0 1 . . . . .	A	144	P	.	T 0 3
7	Flammable laboratory chemicals	0 8	D 0 0 1 D 0 0 7 D 0 0 8 F 0 0 3	A	1,155	P	.	T 0 3
8		.	F 0 0 5 . . . . .				.	.

**SECTION I - TRANSPORTATION SERVICES UTILIZED**

15. COMPANY NAME	16. MISSOURI ID NO	17. US EPA I.D. NUMBER
Peoria Disposal Company	H . . 1 1 9 1	I . L . D . 0 0 9 8 4 8 1 9 3
Custom Environmental Transport	H . . 1 5 3 1	D . E . D . 9 8 0 9 1 8 8 5 8
Custom Environmental Transport	H . . 1 5 3 1	L . A . D . 9 8 1 0 5 9 0 1 7

**SECTION J - COMMENTS**





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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MISSOURI ID NUMBER

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☐ 6-30- (YEAR)

2. PAGE

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**SECTION G - FACILITY IDENTIFICATION**

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Rollins Environmental Services (TX) Inc.

5. FACILITY SITE ADDRESS

P.O. Box 609, 2027 Battleground Rd.

CITY

Deer Park

STATE

TX

ZIP CODE

77536

4. FACILITY'S EPA ID NUMBER

T.X.D.0.5.5.1.4.1.3.7.8

6. FACILITY'S MISSOURI ID NUMBER

I.N.T.X.1.6

**SECTION H - WASTE IDENTIFICATION**

LINE	7 DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8 DOT HAZARD CODE	9 EPA HAZARDOUS WASTE NUMBER	10 TAX CODE (SEE INST.)	11 TOTAL AMOUNT OF WASTE	12 UNIT OF MEAS.	13 SPECIFIC GRAVITY	14 FINAL HANDLING CODE
1	Flammable laboratory chemicals	07	D 0 0 1 . . .	A	2	P	.	T 0 3
2	Miscellaneous laboratory chemicals	12	D 0 0 1 . . .	A	4	P	.	T 0 3
3	Miscellaneous laboratory chemicals	13	D 0 0 7 . . .	A	10	P	.	T 0 3
4	Miscellaneous laboratory chemicals	16	D 0 0 1 D 0 0 7	A	5	P	.	T 0 3
5	Miscellaneous laboratory chemicals	18	D 0 0 3 D 0 0 7	A	20	P	.	T 0 3
6	Miscellaneous laboratory chemicals	11	. . . . .	A	2	P	.	T 0 3
7	Miscellaneous laboratory chemicals	.	. . . . .	A	1165	P	.	T 0 3
8		.	. . . . .				.	. .

**SECTION I - TRANSPORTATION SERVICES UTILIZED**

15 COMPANY NAME	16 MISSOURI ID NO	17 US EPA ID NUMBER
a Custom Environmental Transport	H . . 1 5 3 1	L A D 9 8 1 0 5 9 0 1 7
b	H . . . . .	. . . . .
c	H . . . . .	. . . . .

**SECTION J - COMMENTS**

18.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

M-0-D-0-0-0-8-1-8-9-6-3

MISSOURI ID NUMBER

0-0-1-0-0-1

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☐ 12-31- (YEAR)

☒ 3-31- 93 (YEAR)

☐ 6-30- (YEAR)

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**SECTION G - FACILITY IDENTIFICATION**

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

McDonnell Douglas Corporation

4. FACILITY'S EPA I.D. NUMBER

M-0-D-0-0-0-8-1-8-9-6-3

5. FACILITY SITE ADDRESS

Lindbergh & McDonnell Blvd.

6. FACILITY'S MISSOURI I.D. NUMBER

R R 0-2-6-8

CITY

Hazelwood

STATE

MO

ZIP CODE

63042

**SECTION H - WASTE IDENTIFICATION**

LINE	7 DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8 DOT HAZARD CODE	9 (EPA HAZARDOUS WASTE NUMBER	10 TAX CODE (SEE INST.)	11 TOTAL AMOUNT OF WASTE	12 UNIT OF MEAS.	13 SPECIFIC GRAVITY	14 FINAL HANDLING CODE
1	Ignitable solvents from painting/metal cleaning	08	F 0 0 3 F 0 0 5 D 0 0 1 D 0 0 7		4,871	P	.	T 5 4
2		.	.				.	.
3		.	.				.	.
4		.	.				.	.
5		.	.				.	.
6		.	.				.	.
7		.	.				.	.
8		.	.				.	.

**SECTION I - TRANSPORTATION SERVICES UTILIZED**

15 COMPANY NAME	16 MISSOURI ID NO	17 US EPA ID NUMBER
a None (on-site recovery)	H . . . . .	. . . . .
b	H . . . . .	. . . . .
c	H . . . . .	. . . . .

**SECTION J - COMMENTS**



TEXAS WATER COMMISSION  
P.O. Box 13087, Capitol Station  
Austin, Texas 78711-3087



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039 expires 09-30-91

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. M. O. D. 0.0.0.8.1.8.9.6.3.6.2.5.2.1		Manifest Document No. 21		2. Page 1 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address *IN CASE OF EMERGENCY* * SEE BOX 15 *		MCDONNELL-DOUGLAS AEROSPACE P.O. BOX 516 MAIL CODE 0343530 ST. LOUIS, MO 63166		A. State Manifest Document Number 00302004		B. State Generator's ID 99929 40151			
4. Generator's Phone ( 314 ) 232-3319 ATTN: DEBBIE QUARGNENTI		5. Transporter 1 Company Name Custom Environmental Transp. LAD 981059017		6. US EPA ID Number		C. State Transporter's ID 37R-312 T.L		D. Transporter's Phone 504-224-3642	
7. Transporter 2 Company Name Custom Environmental Transport LAD 981059017		8. US EPA ID Number		E. State Transporter's ID 40151		F. Transporter's Phone 504-774-3642			
9. Designated Facility Name and Site Address Rollins Environmental Services (TX), Inc. 2027 Battleground Road Deer Park, TX		10. US EPA ID Number T. X. D. 0.5.5.1.4.1.3.7.8		G. State Facility's ID HW50089001		H. Facility's Phone 713-930-2300			
11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	
X	a. WASTE COMPRESSED GAS, N.O.S., FLAMMABLE GAS UN1954			0 0 1	D F	0 0 0 0 2	P	801 AUT003H	
X	b. WASTE COMPRESSED GAS, N.O.S., NONFLAMMABLE GAS UN1956			0 0 1	D F	0 0 0 0 2	P	8011 AUT003H	
	c.								
	d.								
J. Additional Descriptions for Materials Listed Above a) D001 SPSTREAM # HO-67242-18 b) STREAM # HO-67240-18				(ALL AEROSOLS)		K. Handling Codes for Wastes Listed Above m044			
15. Special Handling Instructions and Additional Information MO. 602 - H-1531 Avoid contact with waste. Contain all spills. In case of accident or spill, notify Chemtrec at 1-800-424-9300. In Texas, call the TWC at 512-463-7760. If unable to deliver, return to generator. DOT Emergency guide 11a.22 11b.12 11c. 11d.									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Edmond A. Hickey				Signature Edmond A. Hickey		Month Day Year 02/22/93			
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Herbert Markert		Signature Herbert Markert		Month Day Year 02/22/93	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name Keith Bryant		Signature Keith Bryant		Month Day Year 02/23/93	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. RES (TX) Printed/Typed Name Edward A. Stehley									
				Signature Edward A. Stehley		Month Day Year 03/04/93			



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved, OMB No. 2050-0039, expires 09-30-91

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>M O D 0 0 0 8 1 8 9 6 3 0 2 5 1 8</b>		Manifest Document No. <b>302518</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>*IN CASE OF EMERGENCY* * SEE BOX 15 * MCDONNELL-DOUGLAS AEROSPACE P.O. BOX 516 MAIL CODE 0343530 ST. LOUIS, MO 63166</b>				A. State Manifest Document Number <b>00302001</b>		B. State Generator's ID <b>99929</b>			
4. Generator's Phone ( <b>314</b> ) <b>232-3319</b> ATTN: <b>DEBBIE QUARGNENTI</b>				C. State Transporter's ID <b>322-312-121</b>		D. Transporter's Phone <b>504-774-3642</b>			
5. Transporter 1 Company Name <b>Custom Environmental Transport</b>				6. US EPA ID Number <b>LAD981059017</b>		E. State Transporter's ID <b>40751</b>			
7. Transporter 2 Company Name <b>Custom Environmental Transport</b>				8. US EPA ID Number <b>LAD981059017</b>		F. Transporter's Phone <b>504-774-3642</b>			
9. Designated Facility Name and Site Address <b>Rollins Environmental Services (TX), Inc. 2027 Battleground Road Deer Park, TX</b>				10. US EPA ID Number <b>T X D 0 5 5 1 4 1 3 7 8</b>		G. State Facility's ID <b>HW50089001</b>			
						H. Facility's Phone <b>713-930-2300</b>			
GENERATOR	11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	X	a. WASTE <b>DICUMYL PEROXIDE, DRY, ORGANIC PEROXIDE, UN2121</b>			0 1 4	DF	0 0 0 2 8	P	OUTS003H
	X	b. WASTE PAINT, FLAMMABLE LIQUID, UN1263			0 0 6	DF	0 0 1 4 4	P	OUTS003H
	X	c. WASTE FLAMMABLE LIQUID, N.O.S., UN1993			0 4 6	DF	0 1 1 5 5	P	OUTS003H
	X	d. WASTE OXIDIZER, N.O.S., UN1479			0 0 1	DF	0 0 0 0 5	P	OUTS003H
J. Additional Descriptions for Materials Listed Above ( ALL LABPACKS )					K. Handling Codes for Wastes Listed Above				
a) D001 b) D001 c) D001, D007, D008, F003, F005, U112, U159, U161 d) D001, D007 STREAM # HO-67236-63 (a & d) HO-67236-60 (B & C) MO. SUR - HIS 31					M043				
15. Special Handling Instructions and Additional Information Avoid contact with waste. Contain all spills. In case of accident or spill, notify Chemtrec at 1-800-424-9300. In Texas, call the TWC at 512-463-7760. If unable to deliver, return to generator. DOT Emergency guide 11a. 48 11b. 26 11c. 27 11d. 35									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
TRANSPORTER	Printed/Typed Name <b>EDMOND A. HICKLEY</b>				Signature <i>Edmond A. Hickley</i>			Month Day Year <b>02/22/93</b>	
	17. Transporter 1 Acknowledgement of Receipt of Materials Date								
	Printed/Typed Name <b>Hebert Manuel</b>				Signature <i>Hebert Manuel</i>			Month Day Year <b>02/22/93</b>	
FACILITY	18. Transporter 2 Acknowledgement of Receipt of Materials Date								
	Printed/Typed Name <b>Keith Bryant</b>				Signature <i>Keith Bryant</i>			Month Day Year <b>02/23/93</b>	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. <b>RES(TX)</b> Printed/Typed Name <b>Edward A. Stehley</b> Signature <i>Edward A. Stehley</i> Month Day Year <b>03/04/93</b>									

In case of a spill call the Indiana Office of Environmental Response at 317/241-4336 (day or night) and the National Response Center at 800/424-8802 or 202/426-2675.

Form designed for use on elite (12-pitch) typewriter

Form Approved OMB No. 2050-0039 Expires 9...

HAZARDOUS MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but items D, F, H and I are required by State law.	
Name and Mailing Address		A. State Manifest Document Number		INA 0634295		
McDonnell Douglas Corporation, Mail Code 0343530 Lindbergh & McDonnell Blvd., Hazelwood, MO 63042		B. State Generator's ID		001001		
4. Generator's Phone (314) 232-3319		C. State Transporter's ID		H-1464		
5. Transporter 1 Company Name		6. Use EPA ID Number		D. Transporter's Phone		
Heritage Transport, Inc.		IND058484114		317-241-9406		
7. Transporter 2 Company Name		8. Use EPA ID Number		E. State Transporter's ID		
None				F. Transporter's Phone		
9. Designated Facility Name and Site Address		10. Use EPA ID Number		G. State Facility's ID		
Heritage Environmental Services, Inc. 7901 West Morris Street Indianapolis, IN 46231		IND093219012		H. Facility's Phone		
		317-243-0811				
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Vol/Vol	15. Waste No
RQ Hazardous waste, solid, N.O.S. (pretreatment wastewater sludge) ORM-E NA9189 (D003/F006/F019)		No.	Type			
		601	CH	26820	P	D003
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above				
also F006/F019 MO ID 036 17405-2		D85				
16. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION						
"If unable to deliver to designated TSD facility, return to generator." Emergency contact: 314-232-2285 T23/T40/T37/T21 AYH ERG #31						
17. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable, and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OP: If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed, Typed Name		Signature		Month Day Year		
Edward D. Hickory		Edward D. Hickory		02/16/93		
18. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year		
Printed, Typed Name		Signature		Month Day Year		
Robert T. Bates		Robert T. Bates		02/16/93		
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted item 19		Signature		Month Day Year		
Printed, Typed Name		Signature		Month Day Year		
Kevin Smith		Kevin Smith		02/25/93		

INA 0634295

**HERITAGE ENVIRONMENTAL SERVICES, INC.**  
**Land Disposal Restrictions Notification Form**  
**Characteristic Wastes**

(This is a two part form, pull the bottom copy and retain (for 5 yrs) with the generator copy of the manifest, attach the top copy to the UHWM for shipment to HES).

Generator/Customer Name McDonnell Douglas Corporation

Address 11000 + McDonnell Blvd

EPA I.D. MD000818763 EPA Hazardous Waste No. 000-1006-F019

UHWM No. MD000818763 UHW Manifest Document No. 2515

In accordance with the Hazardous and Solid Waste Amendments of 1984 (HSWA) of the Resource Conservation and Recovery Act which restricts the land disposal of hazardous wastes, we are notifying HERITAGE by marking the appropriate box(es) that indicate the Hazardous Waste number, Subcategory, Treatability Group, Treatment Standard Reference and Five Letter Treatment Code to comply with the Land Disposal Restrictions contained at 40 CFR Part 268.

Hazardous Waste Number	Subcategory	Treatability Group		Treatment Standard Reference	Five Letter Treatment Code
		Wastewater	Non-Wastewater		
<input type="checkbox"/> D002	Acid subcategory	X	X	268.42	DEACT
<input type="checkbox"/> D002	Alkaline subcategory	X	X	268.42	DEACT
<input type="checkbox"/> D002	Other (corrosives)	X	X	268.42	DEACT
<input checked="" type="checkbox"/> D003	Reactive cyanides (T&A)	X	X	268.41, 268.43	NA
<input type="checkbox"/> D003	Reactive sulfides	X	X	268.42	DEACT
<input type="checkbox"/> D003	Water Reactive	X	NA	268.42	DEACT
<input type="checkbox"/> D004	NA	X	X <sup>1</sup>	268.41, 268.43	NA
<input type="checkbox"/> D005	NA	X	X <sup>2</sup>	268.41, 268.43	NA
<input type="checkbox"/> D006	NA	X	X <sup>2</sup>	268.41, 268.43	NA
<input type="checkbox"/> D007	NA	X	X <sup>4</sup>	268.41, 268.43	NA
<input type="checkbox"/> D008	NA	X	X <sup>2</sup>	268.41, 268.43	NA
<input type="checkbox"/> D009	(<260 mg/kg Total Hg)	X	X <sup>1</sup>	268.41, 268.43	NA
<input type="checkbox"/> D010	NA	X	X <sup>2</sup>	268.41, 268.43	NA
<input type="checkbox"/> D011	NA	X	X <sup>2</sup>	268.41, 268.43	NA

<sup>1</sup> EPA granted 2 yr. extension in effective date on N-WW form and inorganic solids debris (5/8/92).

<sup>2</sup> EPA granted 2 yr. extension effective date on inorganic solids debris (5/8/92)

<sup>3</sup> Based on EP Toxicity values, TCLP can be used to demonstrate compliance.

<sup>4</sup> EPA granted 2 yr. extension effective date on inorganic solids debris, and used refractory brick (5/8/92)

This form continues to the reverse side.



# CYANIDE CERTIFICATION

This is a two part form, send the top white copy with the UHWM, keep the yellow with the generator copy of UHWM for 5 years.

TO:

Heritage Environmental Services, Inc.  
7901 West Morris Street  
Indianapolis, IN 46231

FROM: (Please print name of generating facility)

EPA ID NUMBER:

ADDRESS:

Heritage Wastestream Number:

Uniform Hazardous Waste Manifest Number:

This document is intended to notify HERITAGE that we are sending a waste that meets the applicable treatment standard(s) as set forth in Subpart D of 40 CFR Part 268 and the applicable prohibition level set forth in 268.43 or RCRA 3004(d), specifically as the treatment standards apply to cyanide wastes. Our waste and the applicable treatment standard achieved is:

(Please check the proper box and circle the correct EPA hazardous waste code)

## Non-Wastewater Form

## Concentration in mg/kg



F006, F007, F008, F009, F019

Cyanide (T)

590

Cyanide (A)

30



F011, F012

Cyanide (T)

110

Cyanide (A)

9.1



P013, P021, P029, P030 ,  
P074, P098, P099, P106, P121

Cyanide (T)

110

Cyanide (A)

9.1



Supporting laboratory analyses  
are enclosed.

As required by 40 CFR 268.7(a)(2), the following certification is made for these restricted wastes:

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

SIGNED:

PRINT:

DATED:

FOR: (generator)

TEXAS WATER COMMISSION  
P.O. Box 13087, Capitol Station  
Austin, Texas 78711-3087



001001-2514

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039, expires 09-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M O D O O . 0 8 1 8 9 6 3	Manifest Document No. 0 2 5 1 4	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address McDonnell Douglas Corporation, Mail Code 0343530 Lindbergh & McDonnell Blvd., Hazelwood, MO 63042 4. Generator's Phone ( 314 ) 232-3319				A. State Manifest Document Number NO 00190532		
5. Transporter 1 Company Name Peoria Disposal Company				B. State Generator's ID 001001 99929		
6. US EPA ID Number I L D 0 0 9 8 4 8 1 9 3				C. State Transporter's ID H-1191/41297		
7. Transporter 2 Company Name None CUSTOM ENVIRONMENTAL TRANSPORT				D. Transporter's Phone 309-674-5176		
8. US EPA ID Number D E D 9 8 0 9 1 8 8 5 8				E. State Transporter's ID 40756		
9. Designated Facility Name and Site Address Rollins Environmental Services (TX) Inc. P.O. Box 609, 2027 Battleground Rd. Deer Park, TX 77536				F. Transporter's Phone 713-930-4500		
10. US EPA ID Number T X D 0 5 5 1 4 1 3 7 8				G. State Facility's ID HW-50089001		
H. Facility's Phone 713-930-2300						
11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. RQ Hazardous waste, solid, N.O.S. (contains paint-related material) ORM-E NA9189 (D007/F002/F003/F005)	0 0 1	C M	1 1 2 4 0	P	980450 D007
	b.					
	c.					
	d.					
J. Additional Descriptions for Materials Listed Above also F002/F003/F005 MO ID 038 HQ-48964-22				K. Handling Codes for Wastes Listed Above m043 ✓		
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." Emergency contact: 314-232-2285						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name Edmond D. Hickey		Signature Edmond D. Hickey		Month Day Year 02/15/93		
17. Transporter 1 Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name Chuck Scott		Signature Chuck Scott		Month Day Year 02/15/93		
18. Transporter 2 Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name Shirley Carroll		Signature Shirley Carroll		Month Day Year 02/16/93		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name R. HARRISON		Signature R. Harrison		Date 12/18/93		

GENERATOR

TRANSPORTER

FACILITY



Section A, B, C, & D Completed by Generator (Instructions on Page 2)

### SECTION A. GENERATOR NOTIFICATION

1. GENERATOR: McDonnell Douglas Corporation 2. EPA I.D. NO.: MO0000818963  
3. MANIFEST NO.: 001001-2514 ~~4. RES ID NO.~~

5. PURSUANT TO 40 CFR §268.7, I am notifying (Check One):

☐ RES (NJ) ☐ RES (LA) ☒ RES (TX) ☐ RES of LA ☐ OPC ☐ TET

that under the above RES Waste Stream number, I am shipping to you one of the following types of waste.

(Check either (a) or (b) only):

- a. ☐ A *non-wastewater* (other than contaminated debris) identified by the EPA waste code(s) and subcategory(ies) that I have checked in Section D. of this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.
- b. ☒ A *hazardous debris* waste identified by the EPA waste code(s) and subcategory(ies) that I have checked in Section D. of this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

**PLEASE NOTE:** Hazardous debris is solid material exceeding 60 mm particle size and which contains on its surface or in its pores a waste subject to the Land Disposal Restriction. (Regulatory Reference 40 CFR §268.2 [g] and [h]). The requirement for treatment of hazardous debris pursuant to 40 CFR §268.45 becomes effective May 8, 1993.

### SECTION B. CALIFORNIA LIST APPLICABILITY FOR EPA HAZARDOUS WASTES

Check one or more box(es) below, if applicable (DOES NOT apply to *newly listed* wastes).

1. ☐ A D001-D011 liquid<sup>1</sup> or non-liquid waste containing halogenated organic compounds (HOCs)  $\geq$  1000 ppm as specified in 40 CFR §268, Appendix III.
2. ☐ A liquid<sup>1</sup> hazardous waste containing polychlorinated biphenyls (PCBs)<sup>2</sup>  $\geq$  50 ppm.
3. ☐ A D001-D017 liquid<sup>1</sup> waste containing  $\geq$  134 mg/l of nickel and/or  $\geq$  130 mg/l of thallium.
4. ☐ A liquid<sup>1</sup> or non-liquid hazardous waste subject to a National Capacity Variance which meets the definition of a California List Waste (Refer to Attachment 1 [page 2] for the California List definition).

<sup>1</sup> To determine whether a waste is liquid or contains *free liquid*, use the Paint Filter Test (EPA SW-846, Method 9095).

<sup>2</sup> Incineration in a TSCA permitted incinerator [RES (TX) only].

### SECTION C. GENERATOR CERTIFICATION (Authorized Representative)

I hereby certify and warrant that all the information supplied on this form and all associated documents represents a complete and accurate identification of this waste material.

1. Print or Type Name: Deborah S. Quargnenti 2. Date: 2.15.93  
3. Signature: Deborah S. Quargnenti 4. Title: Secretary

**PLEASE NOTE:** If your waste already meets relevant treatment standards or your waste is a wastewater or an Appendix IV or Appendix V Lab Pack, please contact your Rollins Sales/Customer Service office for the additional or alternate certification form. For your convenience regional office addresses and phone numbers are listed on the back of Attachment 1.



# **"K" LISTED WASTE CODES**

Check All Applicable Waste Codes

(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
EPA CODE NUMBER	40 CFR 1268.41 CCWE	40 CFR 1268.42 TECH	40 CFR 1268.43 CCW	EPA CODE NUMBER	40 CFR 1268.41 CCWE	40 CFR 1268.42 TECH	40 CFR 1268.43 CCW
<input type="checkbox"/> K001	✓	N.A.	✓	<input type="checkbox"/> K084	NEWLY LISTED WASTE		
<input type="checkbox"/> K002	✓	N.A.	N.A.	<input type="checkbox"/> K085	Not Currently Regulated		
<input type="checkbox"/> K003	✓	N.A.	N.A.	<input type="checkbox"/> K086	Under		
<input type="checkbox"/> K004	✓	N.A.	N.A.	<input type="checkbox"/> K088	Land Disposal Restrictions		
<input type="checkbox"/> K005	✓	N.A.	N.A.	<input type="checkbox"/> K089CS	✓	N.A.	N.A.
<input type="checkbox"/> K006A	✓	N.A.	N.A.	<input type="checkbox"/> K089NCS	DO NOT ACCEPT		
<input type="checkbox"/> K008H	✓	N.A.	N.A.	<input type="checkbox"/> K071	✓	N.A.	N.A.
<input type="checkbox"/> K007	✓	N.A.	N.A.	<input type="checkbox"/> K073	N.A.	N.A.	✓
<input type="checkbox"/> K008	✓	N.A.	N.A.	<input type="checkbox"/> K083	✓	N.A.	✓
<input type="checkbox"/> K008	N.A.	N.A.	✓	<input type="checkbox"/> K084	✓	N.A.	N.A.
<input type="checkbox"/> K010	N.A.	N.A.	✓	<input type="checkbox"/> K085	N.A.	N.A.	✓
<input type="checkbox"/> K011	N.A.	N.A.	✓	<input type="checkbox"/> K086	✓	N.A.	✓
<input type="checkbox"/> K013	N.A.	N.A.	✓	<input type="checkbox"/> K087	✓	N.A.	✓
<input type="checkbox"/> K014	N.A.	N.A.	✓	<input type="checkbox"/> K088	NEWLY LISTED WASTE		
<input type="checkbox"/> K015	✓	N.A.	✓	<input type="checkbox"/> K089	Not Currently Regulated		
<input type="checkbox"/> K016	N.A.	N.A.	✓	<input type="checkbox"/> K091	Under		
<input type="checkbox"/> K017	N.A.	N.A.	✓	<input type="checkbox"/> K093	N.A.	N.A.	✓
<input type="checkbox"/> K018	N.A.	N.A.	✓	<input type="checkbox"/> K094	N.A.	N.A.	✓
<input type="checkbox"/> K019	N.A.	N.A.	✓	<input type="checkbox"/> K095	N.A.	N.A.	✓
<input type="checkbox"/> K020	N.A.	N.A.	✓	<input type="checkbox"/> K096	N.A.	N.A.	✓
<input type="checkbox"/> K021	✓	N.A.	✓	<input type="checkbox"/> K097	N.A.	N.A.	✓
<input type="checkbox"/> K022	✓	N.A.	✓	<input type="checkbox"/> K098	N.A.	N.A.	✓
<input type="checkbox"/> K023	N.A.	N.A.	✓	<input type="checkbox"/> K099	DO NOT ACCEPT		
<input type="checkbox"/> K024	N.A.	N.A.	✓	<input type="checkbox"/> K100	✓	N.A.	N.A.
<input type="checkbox"/> K025	N.A.	INCIN	N.A.	<input type="checkbox"/> K101	✓	N.A.	N.A.
<input type="checkbox"/> K026	N.A.	INCIN	N.A.	<input type="checkbox"/> K102	✓	N.A.	✓
<input type="checkbox"/> K027	N.A.	INCIN	N.A.	<input type="checkbox"/> K103	N.A.	N.A.	✓
<input type="checkbox"/> K028	DO NOT ACCEPT			<input type="checkbox"/> K104	N.A.	N.A.	✓
<input type="checkbox"/> K029	N.A.	N.A.	✓	<input type="checkbox"/> K105	N.A.	N.A.	✓
<input type="checkbox"/> K030	N.A.	N.A.	✓	<input type="checkbox"/> K106HM	DO NOT ACCEPT		
<input type="checkbox"/> K031	✓	N.A.	N.A.	<input type="checkbox"/> K106LM	✓	N.A.	N.A.
<input type="checkbox"/> K032	N.A.	N.A.	✓	<input type="checkbox"/> K107	N.A.	INCIN	N.A.
<input type="checkbox"/> K033	N.A.	N.A.	✓	<input type="checkbox"/> K108	N.A.	INCIN	N.A.
<input type="checkbox"/> K034	N.A.	N.A.	✓	<input type="checkbox"/> K109	N.A.	INCIN	N.A.
<input type="checkbox"/> K036	N.A.	N.A.	✓	<input type="checkbox"/> K110	N.A.	INCIN	N.A.
<input type="checkbox"/> K036	N.A.	N.A.	✓	<input type="checkbox"/> K111	N.A.	N.A.	✓
<input type="checkbox"/> K037	N.A.	N.A.	✓	<input type="checkbox"/> K112	N.A.	INCIN	N.A.
<input type="checkbox"/> K038	N.A.	N.A.	✓	<input type="checkbox"/> K113	N.A.	INCIN	N.A.
<input type="checkbox"/> K039	N.A.	INCIN	N.A.	<input type="checkbox"/> K114	N.A.	INCIN	N.A.
<input type="checkbox"/> K040	N.A.	N.A.	✓	<input type="checkbox"/> K115	✓	INCIN	N.A.
<input type="checkbox"/> K041	N.A.	N.A.	✓	<input type="checkbox"/> K116	N.A.	INCIN	N.A.
<input type="checkbox"/> K042	N.A.	N.A.	✓	<input type="checkbox"/> K117	N.A.	N.A.	✓
<input type="checkbox"/> K043	DO NOT ACCEPT			<input type="checkbox"/> K118	N.A.	N.A.	✓
<input type="checkbox"/> K044	N.A.	DEACT	N.A.	<input type="checkbox"/> K123	N.A.	INCIN	N.A.
<input type="checkbox"/> K045	N.A.	DEACT	N.A.	<input type="checkbox"/> K124	N.A.	INCIN	N.A.
<input type="checkbox"/> K046	✓	N.A.	N.A.	<input type="checkbox"/> K125	N.A.	INCIN	N.A.
<input type="checkbox"/> K047	N.A.	DEACT	N.A.	<input type="checkbox"/> K126	N.A.	INCIN	N.A.
<input type="checkbox"/> K048	✓	N.A.	✓	<input type="checkbox"/> K131	N.A.	N.A.	✓
<input type="checkbox"/> K049	✓	N.A.	✓	<input type="checkbox"/> K132	N.A.	N.A.	✓
<input type="checkbox"/> K050	✓	N.A.	✓	<input type="checkbox"/> K136	N.A.	N.A.	✓
<input type="checkbox"/> K051	✓	N.A.	✓	<input type="checkbox"/> K141	NEWLY LISTED WASTE		
<input type="checkbox"/> K052	✓	N.A.	✓	<input type="checkbox"/> K142	Not Currently Regulated		
<input type="checkbox"/> K080	N.A.	N.A.	✓	<input type="checkbox"/> K143	Under		
<input type="checkbox"/> K081	DO NOT ACCEPT			<input type="checkbox"/> K144	Land Disposal Restrictions		
<input type="checkbox"/> K082	✓	N.A.	N.A.	<input type="checkbox"/> K145			

# **"P" LISTED WASTE CODES**

Check All Applicable Waste Codes

(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
EPA CODE NUMBER	40 CFR 1268.41 CCWE	40 CFR 1268.42 TECH	40 CFR 1268.43 CCW	EPA CODE NUMBER	40 CFR 1268.41 CCWE	40 CFR 1268.42 TECH	40 CFR 1268.43 CCW
<input type="checkbox"/> P001	N.A.	INCIN	N.A.	<input type="checkbox"/> P083	N.A.	N.A.	
<input type="checkbox"/> P002	N.A.	INCIN	N.A.	<input type="checkbox"/> P084	N.A.	INCIN	N
<input type="checkbox"/> P003	N.A.	INCIN	N.A.	<input type="checkbox"/> P085HM	DO NOT ACCEPT		
<input type="checkbox"/> P004	N.A.	N.A.	✓	<input type="checkbox"/> P085LM	✓	IMERC	N
<input type="checkbox"/> P005	N.A.	INCIN	N.A.	<input type="checkbox"/> P086	N.A.	INCIN	N
<input type="checkbox"/> P006	N.A.	INCIN	N.A.	<input type="checkbox"/> P087	N.A.	INCIN	N
<input type="checkbox"/> P007	N.A.	INCIN	N.A.	<input type="checkbox"/> P088	N.A.	INCIN	N
<input type="checkbox"/> P008	N.A.	INCIN	N.A.	<input type="checkbox"/> P089	N.A.	INCIN	N
<input type="checkbox"/> P009	N.A.	INCIN	N.A.	<input type="checkbox"/> P070	N.A.	INCIN	N
<input type="checkbox"/> P010	✓	N.A.	N.A.	<input type="checkbox"/> P071	N.A.	N.A.	✓
<input type="checkbox"/> P011	✓	N.A.	N.A.	<input type="checkbox"/> P072	N.A.	INCIN	N
<input type="checkbox"/> P012	✓	N.A.	N.A.	<input type="checkbox"/> P073	✓	N.A.	N
<input type="checkbox"/> P013	✓	N.A.	✓	<input type="checkbox"/> P074	✓	N.A.	✓
<input type="checkbox"/> P014	N.A.	INCIN	N.A.	<input type="checkbox"/> P075	N.A.	INCIN	N
<input type="checkbox"/> P015	DO NOT ACCEPT			<input type="checkbox"/> P076	DO NOT ACCEPT		
<input type="checkbox"/> P016	N.A.	INCIN	N.A.	<input type="checkbox"/> P077	N.A.	N.A.	✓
<input type="checkbox"/> P017	N.A.	INCIN	N.A.	<input type="checkbox"/> P078	DO NOT ACCEPT		
<input type="checkbox"/> P018	N.A.	INCIN	N.A.	<input type="checkbox"/> P081	N.A.	INCIN	N
<input type="checkbox"/> P020	N.A.	N.A.	✓	<input type="checkbox"/> P082	N.A.	INCIN	N
<input type="checkbox"/> P021	N.A.	N.A.	✓	<input type="checkbox"/> P084	N.A.	INCIN	N
<input type="checkbox"/> P022	N.A.	INCIN	N.A.	<input type="checkbox"/> P085	N.A.	INCIN	N
<input type="checkbox"/> P023	N.A.	INCIN	N.A.	<input type="checkbox"/> P087	DO NOT ACCEPT		
<input type="checkbox"/> P024	N.A.	N.A.	✓	<input type="checkbox"/> P088	N.A.	INCIN	N
<input type="checkbox"/> P026	N.A.	INCIN	N.A.	<input type="checkbox"/> P089	N.A.	N.A.	✓
<input type="checkbox"/> P027	N.A.	INCIN	N.A.	<input type="checkbox"/> P092HM	DO NOT ACCEPT		
<input type="checkbox"/> P028	N.A.	INCIN	N.A.	<input type="checkbox"/> P092LM	✓	IMERC	N
<input type="checkbox"/> P029	N.A.	N.A.	✓	<input type="checkbox"/> P093	N.A.	INCIN	N
<input type="checkbox"/> P030	N.A.	N.A.	✓	<input type="checkbox"/> P094	N.A.	N.A.	✓
<input type="checkbox"/> P031	N.A.	INCIN	N.A.	<input type="checkbox"/> P095	N.A.	INCIN	N
<input type="checkbox"/> P033	N.A.	INCIN	N.A.	<input type="checkbox"/> P096	N.A.	INCIN	N
<input type="checkbox"/> P034	N.A.	INCIN	N.A.	<input type="checkbox"/> P097	N.A.	N.A.	✓
<input type="checkbox"/> P036	✓	N.A.	N.A.	<input type="checkbox"/> P098	N.A.	N.A.	✓
<input type="checkbox"/> P037	N.A.	N.A.	✓	<input type="checkbox"/> P099	✓	N.A.	✓
<input type="checkbox"/> P038	✓	N.A.	N.A.	<input type="checkbox"/> P101	N.A.	N.A.	✓
<input type="checkbox"/> P039	N.A.	N.A.	✓	<input type="checkbox"/> P102	N.A.	INCIN	N
<input type="checkbox"/> P040	N.A.	INCIN	N.A.	<input type="checkbox"/> P103	✓	N.A.	N
<input type="checkbox"/> P041	N.A.	INCIN	N.A.	<input type="checkbox"/> P104	✓	N.A.	✓
<input type="checkbox"/> P042	N.A.	INCIN	N.A.	<input type="checkbox"/> P105	N.A.	INCIN	N
<input type="checkbox"/> P043	N.A.	INCIN	N.A.	<input type="checkbox"/> P106	N.A.	N.A.	✓
<input type="checkbox"/> P044	N.A.	INCIN	N.A.	<input type="checkbox"/> P108	N.A.	INCIN	N
<input type="checkbox"/> P045	N.A.	INCIN	N.A.	<input type="checkbox"/> P109	N.A.	INCIN	N
<input type="checkbox"/> P046	N.A.	INCIN	N.A.	<input type="checkbox"/> P110	✓	N.A.	N
<input type="checkbox"/> P047	N.A.	INCIN	✓	<input type="checkbox"/> P111	N.A.	INCIN	N
<input type="checkbox"/> P048	N.A.	N.A.	✓	<input type="checkbox"/> P112	N.A.	INCIN	N
<input type="checkbox"/> P049	N.A.	INCIN	N.A.	<input type="checkbox"/> P113	N.A.	STABL	N
<input type="checkbox"/> P050	N.A.	N.A.	✓	<input type="checkbox"/> P114	✓	N.A.	N
<input type="checkbox"/> P051	N.A.	N.A.	✓	<input type="checkbox"/> P115	N.A.	STABL	N
<input type="checkbox"/> P054	N.A.	INCIN	N.A.	<input type="checkbox"/> P116	N.A.	INCIN	N
<input type="checkbox"/> P056	N.A.	ADGAS	N.A.	<input type="checkbox"/> P118	N.A.	INCIN	N
<input type="checkbox"/> P057	N.A.	INCIN	N.A.	<input type="checkbox"/> P119	N.A.	STABL	N
<input type="checkbox"/> P058	N.A.	INCIN	N.A.	<input type="checkbox"/> P120	N.A.	STABL	N
<input type="checkbox"/> P059	N.A.	N.A.	✓	<input type="checkbox"/> P121	N.A.	N.A.	✓
<input type="checkbox"/> P060	N.A.	N.A.	✓	<input type="checkbox"/> P122	N.A.	INCIN	N
<input type="checkbox"/> P062	N.A.	INCIN	N.A.	<input type="checkbox"/> P123	N.A.	N.A.	✓

# ADDITIONAL LDR NOTIFICATION

- F001-F005, F039

# ATTACHMENT NON-WASTEWATER

## NOTIFICATION FOR F001-F005 SPENT SOLVENTS

1. Table CCWE - Constituent Concentrations In Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	PLEASE NOTE: The treatment standards for these constituents apply to F001-F005 wastes which contain only one, two, or all three of these constituents
Carbon disulfide	4.81	Cyclohexanone	0.75	Methanol	0.75	

2. Table CCW - Constituent Concentrations In Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)
Acetone	160	o-Dichlorobenzene	6.2	Methyl isobutyl ketone	33	1,1,2-Trichloroethane	7
Benzene	3.7	Ethyl acetate	33	Nitrobenzene	14	Trichloroethylene	5
n-Butylalcohol	2.6	Ethyl benzene	6.0	Pyridine	16	1,1,2-Trichloro-1,2,2-trifluoroethane	2
Carbon tetrachloride	5.6	Ethyl ether	160	Tetrachloroethylene	5.6		
Chlorobenzene	5.7	Isobutyl alcohol	170	Toluene	28	Trichloromonofluoromethane	3
Cresol (m- & p-isomers)	3.2	Methylene chloride	33	1,1,1-Trichloroethane	5.6		
o-Cresol	5.6	Methyl ethyl ketone	36			Xylene (Total)	2

## NOTIFICATION FOR F039 MULTI-SOURCE LEACHATE

1. Table CCWE - Constituent Concentrations In Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)
Antimony	0.23	Cadmium	0.066	Mercury	0.025	Silver	0.0
Arsenic	5.0	Chromium (Total)	5.2	Nickel	0.32		
Barium	52.0	Lead	0.51	Selenium	5.7		

2. Table CCW - Constituent Concentrations In Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)
Acetone	160.0	Benzo(a)anthracene	8.2	bis(2-Chloroethoxy) methane	7.2	o,p'-DDD	0.0
Acenaphthalene	3.4	Benzo(b)fluoranthene	3.4			p,p'-DDD	0.0
Acenaphthene	4.0	Benzo(k)fluoranthene	3.4	bis(2-Chloroethyl) ether	7.2	o,p'-DDE	0.0
Acetophenone	9.7	Benzo(g,h,i)perylene	1.5	Chloroform	5.6	p,p'-DDE	0.0
2-Acetylaminofluorene	140	Benzo(a)pyrene	8.2	bis(2-Chloroisopropyl) ether	7.2	o,p'-DDT	0.0
Acrylonitrile	84	Bromodichloromethane	15	p-Chloro-m-cresol	14	p,p'-DDT	0.0
Aldrin	0.066	Bromoform	15	Chloromethane (Methyl chloride)	33	Dibenzo(a,h)anthracene	8
Aniline	14	Bromomethane (methyl bromide)	15	2-Chlorosphenalene	5.6	m-Dichlorobenzene	6
Anthracene	4.0					o-Dichlorobenzene	6
Aroclor 1016	0.92	4-Bromophenyl phenyl ether	15	2-Chlorophenol	5.7	p-Dichlorobenzene	6
Aroclor 1221	0.92	n-Butyl alcohol	2.6	3-Chloropropene	28	Dichlorodifluoromethane	7
Aroclor 1232	0.92	Butyl benzylphthalate	7.9	Chrysene	8.2	1,1-Dichloroethane	7
Aroclor 1242	0.92	2-sec Butyl-4,6 dinitrophenol	2.5	o-Cresol	5.6	1,2-Dichloroethane	7
Aroclor 1248	0.92			Cresol (m- and p-isomers)	3.2	1,1-Dichloroethylene	3
Aroclor 1254	1.8	Carbon tetrachloride	5.6	1,2-Dibromo-3-chloropropane	15	trans 1,2-Dichloroethane	3
Aroclor 1260	1.8	Chlordane	0.13			2,4-Dichlorophenol	1
alpha-BHC	0.066	p-Chloroaniline	16	1,2-Dibromoethane (Ethylene dibromide)	15	2,6-Dichlorophenol	
beta-BHC	0.066	Chlorobenzene	5.7			1,2-Dichloropropane	
delta-BHC	0.066	Chlorodibromomethane	15	Dibromomethane	15	cis 1,3-Dichloropropane	
gamma-BHC	0.066			2,4-Dichlorophenoxyacetic acid (2,4-D)	10	trans 1,3-Dichloropropane	
Benzene	36	Chloroethane	6.0			Dieldrin	0



THIS DOCUMENT MUST BE USED  
FOR ALL MISSOURI-DESTINED  
SHIPMENTS

314-751-3176

**EMERGENCY RESPONSE**  
U.S. COAST GUARD  
1-800-424-8802  
**CHEM TREC**  
1-800-424-9300  
**DEPT. OF NATURAL RESOUR**  
314-634-2436

# HAZARDOUS WASTE MANIFEST

Form Approved OMB No 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. Manifest Document No.		2. Page 7 of 1		Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address McDonnell Douglas Corporation, Mailcode 0343530 Lindbergh & McDonnell BLVds., Hazelwood, MO 63042				A. Missouri Manifest Document Number 001101011 215017			
4. Generator's Phone (314) 842-XXXX 232-3319				B. G.S.I. (Gen. Site Address) Same 001001			
5. Transporter 1 Company Name Schneider Tank Lines, Inc.				C. MO. Trans. ID H-1431			
7. Transporter 2 Company Name Safety Kleen Corp				D. Transporter's Phone 800-558-5091			
9. Designated Facility Name and Site Address Safety-Kleen, Hebron Recycle Center 581 Milliken Drive SE Hebron, Ohio 43026				E. MO. Trans. ID H1273			
				F. Transporter's Phone 705-849-9475			
				G. State Facility's ID CHD980587364			
				H. Facility's Phone 614-929-3532			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers Number Type		13. Total Quantity	
a. Waste Trichloroethylene ORM-A UN1710 (F001/D040)				044 D 11		23320 P	
b.						EPA WASTE CODE STATE	
c.						EPA WASTE CODE STATE	
d.						EPA WASTE CODE STATE	
J. Additional Descriptions for Materials Listed Above				K. HANDLING CODE (FACILITY USE ONLY)			
a. also D040 S.G. 1.2 HQ ID 041 Control#				a. INTERIM FINAL COMMENTS			
b. 158273-9				b.			
c.				c.			
d.				d.			
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." Emergency Contact: 314-232-2265 50327915							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.							
Printed/Typed Name Annette Wagner-Banks				Signature Annette Wagner-Banks		Month Day Year 01/22/93	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GEORGE MANN				Signature George Mann		Month Day Year 01/22/93	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Joe Kulik				Signature Joe Kulik		Month Day Year 01/26/93	
19. Discrepancy Indication Space Reject 6 drums of item 11A due to low flash and send to Safety Kleen Corp. S. Hwy 146 New Castle, KY 40050 KYD053348108 502/845-3452 per telephone conversation with Annette Wagner-Banks and Diane Sturm 2-9-93. Accepted remaining drums.							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Paul Wimmer				Signature Paul Wimmer		Month Day Year 01/22/93	

## LAND DISPOSAL RESTRICTIONS NOTIFICATION

McDonnell Douglas Corporation - St. Louis  
P.O. Box 516, MC 0343530, St. Louis, MO 63166  
(314) 232-3319

Generator EPA ID: MDD000818963EPA Waste ID: F001 ~~F002-F003-F005-D001-D007~~Manifest No.: 001001-2507Facility Wastestream No.: 045 ~~D008-D035~~

This form is submitted in compliance with 40 CFR 269.

D040

## I. WASTE IDENTIFICATION

Identify all U.S. EPA hazardous waste number(s), subcategory(ies) and treatability group(s) applicable to this waste shipment.

A. D001:

1) Ignitable Liquids: ☒ a)  $NW^1$  TOC  $\geq 10\%$ ; ☐ b)  $NW^1$  1% to  $<10\%$  TOC; ☐ c)  $WW^2$   
 2) Ignitable Compressed Gases; ☐ 3) Ignitable Reactives; ☐ 4) Oxidizers

B. D002: ☐ 1) Acids; ☐ 2) Alkaline; ☐ 3) Other Corrosives

C. D003: ☐ 1) Reactive Cyanides; ☐ 2) Reactive Sulfides; ☐ 3) Explosives;  
☐ 4) Water Reactives; ☐ 5) Other Reactives

D. ~~D009~~: ~~K106~~: ~~U151~~: ☐ 1) Low Mercury; ☐ 2) High MercuryE. F025: ☐ 1) Light Ends; ☐ 2) Spent Filters/Aids & DesiccantsF. K061: ☐ 1) Low Zinc; ☐ 2) High Zinc

G. ALL OTHER U.S. EPA HAZARDOUS WASTE NUMBERS

SUBCATEGORIES (IF APPLICABLE)

~~D007-D008-D035-D040~~None~~F002-F003-F005~~NoneH. Treatability Group (☒ not previously indicated):☐ Wastewater; ☒ Non-Wastewater; List any others \_\_\_\_\_

## II. LAND DISPOSAL RESTRICTIONS

☒ A. Restricted wastes with EPA hazardous waste number(s) D007-D008  
 have treatment standards expressed as constituent concentrations in waste extract (CCWE) per 40 CFR 268.41.

☒ B. Restricted wastes with EPA hazardous waste number(s) F002-F003-F005  
 have treatment standards expressed as constituent concentrations in waste (CCW) per 40 CFR 268.43.

☒ C. Restricted wastes with EPA hazardous waste number(s) D001  
 have treatment standards expressed as a specific technology per 40 CFR 268.42.  
 List the applicable five-letter treatment code:

☒ INCIN: ☐ DEACT: ☐ STABL: Other \_\_\_\_\_

☐ D. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ having a  
 treatment standard based on incineration and are contaminated soil and debris, are  
 not subject to the land disposal prohibition until \_\_\_\_\_.

☐ E. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ subject  
 to other variance, extension or exemptions: Specify \_\_\_\_\_.

<sup>1</sup>Non-Wastewater; <sup>2</sup>Wastewater

☒ F. Waste for which applicable treatment standards must be listed completely:

1.) Spent Solvents

If U.S. EPA #'s F001, F002, F003, F004 or F005 appear in Section I, check all individual constituents contained in these wastes(s) and mark the appropriate treatability group. This waste must be treated at least to levels specified below.

F001-5  
Spent Solvents

CCW<sub>2</sub> (in mg/l)  
WW<sub>2</sub> — NWW<sub>1</sub> ☒

<input type="checkbox"/> Acetone	0.28	160
<input type="checkbox"/> Benzene	0.070	3.7
<input type="checkbox"/> n-Butyl Alcohol	5.6	2.6
<input type="checkbox"/> Carbon Tetrachloride	0.057	5.6
<input type="checkbox"/> Chlorobenzene	0.057	5.7
<input type="checkbox"/> Cresols(m- & p-isomers)	0.77	3.2
<input type="checkbox"/> o-Cresol	0.11	5.6
<input type="checkbox"/> o-Dichlorobenzene	0.083	6.2
<input type="checkbox"/> Ethyl Acetate	0.34	33
<input type="checkbox"/> Ethylbenzene	0.057	6.0
<input type="checkbox"/> Ethyl Ether	0.12	160
<input type="checkbox"/> Isobutyl Alcohol	5.6	170
<input checked="" type="checkbox"/> Methylene Chloride	0.089	33

CCWE (in mg/l)  
N/A 4.8  
N/A 0.75  
N/A 0.75

☐ Carbon Disulfide  
☐ Cyclohexanone  
☐ Methanol

F001-5  
Spent Solvents

CCW<sub>2</sub> (in mg/l)  
WW<sub>2</sub> — NWW<sub>1</sub> ☒

<input checked="" type="checkbox"/> Methyl Ethyl Ketone	0.28	36
<input checked="" type="checkbox"/> Methyl Isobutyl Ketone	0.14	33
<input type="checkbox"/> Nitrobenzene	0.068	14
<input type="checkbox"/> Pyridine	0.014	16
<input type="checkbox"/> Tetrachloroethylene	0.056	5.6
<input checked="" type="checkbox"/> Toluene	0.08	28
<input type="checkbox"/> 1,1,2-Trichloro-		
<input type="checkbox"/> 1,2,2-Trichloroethane	0.057	28
<input checked="" type="checkbox"/> 1,1,1-Trichloroethane	0.064	5.6
<input type="checkbox"/> 1,1,2-Trichloroethane	0.030	7.6
<input checked="" type="checkbox"/> Trichloroethylene	0.054	5.6
<input type="checkbox"/> Trichloromono-		
<input type="checkbox"/> fluoromethane	0.02	33
<input checked="" type="checkbox"/> Xylene	0.32	28

☐ 2-Nitropropane  
☐ 2-Ethoxyethanol

Technology Code  
INCIN INCIN  
INCIN INCIN

2) California List Wastes

Mark the following only if the relevant constituent has not already been addressed by a more specific prohibition or treatment standard.

The waste identified in Section I is a liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following constituents or characteristics:

☐ Nickel and/or compounds (as Ni)  
☐ Thallium and/or compounds (as Tl)

LIMITS  
≥134 mg/l  
≥130 mg/l

☐ Hazardous wastes (solid, sludge or liquid) containing halogenated organic compounds (HOCs) in total concentration >1,000 mg/kg.

I hereby certify that all information submitted is complete and accurate, to the best of my knowledge and information, and that the restricted waste described above has been properly identified so that the receiving treatment facility is aware of all applicable performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in Part 268.32 or RCRA Section 3004(d).

Signature

*Deborah S. Quarment* Title *Secretary*

Date

*2-17-92*





## STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

LD# 634929

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND SPECIAL WASTE.

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

State Form LPC 62 8/81

IL532-0610

PLEASE TYPE

(Form designed for use on a (2-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

## UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

MOD000818963

Manifest Document No.

102506

2. Page 1

of 1

Information in the shaded areas is not required by Federal law, but is required by Illinois law.

A. Illinois Manifest Document Number

IL 3290944

MANIFEST FEE EXEMPT

B. Illinois Generator's ID

9291895021

C. Illinois Transporter's ID

1266

D. (300) 558-5091

Transporter's Phone

E. Illinois Transporter's ID

F. ( )

Transporter's Phone

G. Illinois Facility's ID

0310690006

H. Facility's Phone

(708) 849-4850

3. Generator's Name and Mailing Address

Location If Different:

McDonnell Douglas Corporation, Mailcode 0343530  
Lindgergh & McDonnell Blvds., St. Louis, MO 63042

4. Generator's Phone ( 314 ) 232-3319

5. Transporter 1 Company Name

Schneider Tank Lines, Inc.

6. US EPA ID Number

W I D 9 8 0 9 0 4 7 4 2

7. Transporter 2 Company Name

None

8. US EPA ID Number

9. Designated Facility Name and Site Address

Safety-Kleen Envirosystems  
633 East 138th Street  
Dolton, Illinois 60419

10. US EPA ID Number

I L D 9 8 0 6 1 3 9 13

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

a. RQ Waste ORM-A, N.O.S. (contains chlorinated solvents)  
ORM-A NA1693 (F001/F002/D040)

0.05 DM

0.0275

1

EPA HW Number  
XXF0011  
Authorization Number  
001612b. RQ Waste Paint Related Material  
Flammable Liquid UN1263  
(F003/F005/D001/D007/D018/D035)

0.23 DM

0.1265

1

EPA HW Number  
XXF0003  
Authorization Number  
001611c. RQ RQx Waste Flammable Liquid, N.O.S. (contains flammable/chlorinated solvents) Flammable Liquid  
UN1993 (F002/F003/D001/D007/D008/D035/D040)

0.02 DM

0.0118

1

EPA HW Number  
XXF0002  
Authorization Number  
001612d. RQ Waste ORM-A, N.O.S. (contains oil contaminated with chlorinated solvents) ORM-A NA1693  
(F001/F002/D039/D040)

0.25 DM

0.1375

1

EPA HW Number  
XXF0001  
Authorization Number  
001612

J. Additional Descriptions for Materials Listed Above

a. also F002/D040 Control #036284-5 S.G. 0.9 MO ID 041

b. also F005/D001/D007/D008/D035 Control #036219 S.G. 0.8 MO ID 042

c. also F003/D001/D007/D008/D035/D040 Control #89269-8 SG1.02 MO ID 045

d. also F002/D039/D040 Control #036263 SG 0.86 MO ID 047

K. Handling Codes for Wastes Listed Above in Item #14

0432 = Cubic Yards

A Sol 1/502/R05

B Sol 1/502/R05

C Sol 1/502/R05

15. Special Handling Instructions and Additional Information

"if unable to deliver to designated TSD facility, return to generator."  
Emergency Contact: 314-232-2285

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Date

Month Day Year  
01 21 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year  
01 21 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

19. Discrepancy Indication Space

B - Corrected Ill. Gen. ID # - per O. Quargenti - 2/19/93-MA

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Date

Printed/Typed Name

Signature

Month Day Year  
01 21 93

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR COPY

LAND DISPOSAL RESTRICTIONS NOTIFICATION

McDonnell Douglas Corporation - St. Louis  
P.O. Box 516, MC 0343530, St. Louis, MO 63166  
(314) 232-3319

Generator EPA ID: M08000818963

EPA Waste ID: F001/F002/D040

Manifest No.: 123290944/01001-2506

Facility Wastestream No.: 041

This form is submitted in compliance with 40 CFR 269.

I. WASTE IDENTIFICATION

Identify all U.S. EPA hazardous waste number(s), subcategory(ies) and treatability group(s) applicable to this waste shipment.

A. D001:

1) Ignitable Liquids: \_\_\_ a) NWW<sup>1</sup> TOC  $\geq$  10%; \_\_\_ b) NWW<sup>1</sup> 1% to <10% TOC; \_\_\_ c) WW<sup>2</sup>  
\_\_\_ 2) Ignitable Compressed Gases; \_\_\_ 3) Ignitable Reactives; \_\_\_ 4) Oxidizers

B. D002: \_\_\_ 1) Acids; \_\_\_ 2) Alkaline; \_\_\_ 3) Other Corrosives

C. D003: \_\_\_ 1) Reactive Cyanides; \_\_\_ 2) Reactive Sulfides; \_\_\_ 3) Explosives;  
\_\_\_ 4) Water Reactives; \_\_\_ 5) Other Reactives

D. \_\_\_ D009: \_\_\_ K106: \_\_\_ U151: \_\_\_ 1) Low Mercury; \_\_\_ 2) High Mercury

E. F025: \_\_\_ 1) Light Ends; \_\_\_ 2) Spent Filters/Aids & Desiccants

F. K061: \_\_\_ 1) Low Zinc; \_\_\_ 2) High Zinc

G. ALL OTHER U.S. EPA HAZARDOUS WASTE NUMBERS

SUBCATEGORIES (IF APPLICABLE)

F001/F002/D040

None

H. Treatability Group (if not previously indicated):

\_\_\_ Wastewater; ☒ Non-Wastewater; List any others \_\_\_\_\_

II. LAND DISPOSAL RESTRICTIONS

☒ A. Restricted wastes with EPA hazardous waste number(s) F001/F002/D040  
have treatment standards expressed as constituent concentrations in waste extract  
(CCWE) per 40 CFR 268.41.

\_\_\_ B. Restricted wastes with EPA hazardous waste number(s) \_\_\_\_\_  
have treatment standards expressed as constituent concentrations in waste (CCW)  
per 40 CFR 268.43.

\_\_\_ C. Restricted wastes with EPA hazardous waste number(s) \_\_\_\_\_  
have treatment standards expressed as a specific technology per 40 CFR 268.42.  
List the applicable five-letter treatment code:

\_\_\_ INCIN: \_\_\_ DEACT: \_\_\_ STABL: Other \_\_\_\_\_

\_\_\_ D. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ having a  
treatment standard based on incineration and are contaminated soil and debris, are  
not subject to the land disposal prohibition until \_\_\_\_\_.

\_\_\_ E. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ subject  
to other variance, extension or exemptions: Specify \_\_\_\_\_.

<sup>1</sup> Non-Wastewater; <sup>2</sup> Wastewater

# LAND DISPOSAL RESTRICTIONS NOTIFICATION

McDonnell Douglas Corporation - St. Louis  
P.O. Box 516, MC 0343530, St. Louis, MO 63166  
(314) 232-3319

Generator EPA ID: MOB 000818963

EPA Waste ID: F003/F005/D001/D007/  
D018/D035

Manifest No.: 1L 3290944/01001-2506

Facility Wastestream No.: 043

This form is submitted in compliance with 40 CFR 269.

## I. WASTE IDENTIFICATION

Identify all U.S. EPA hazardous waste number(s), subcategory(ies) and treatability group(s) applicable to this waste shipment.

A. D001:

1) Ignitable Liquids: ☒ a) NWW<sup>1</sup> TOC  $\geq 10\%$ ; ☐ b) NWW<sup>1</sup> 1% to  $<10\%$  TOC; ☐ c) WW<sup>2</sup>  
2) Ignitable Compressed Gases; ☐ 3) Ignitable Reactives; ☐ 4) Oxidizers

B. D002: ☐ 1) Acids; ☐ 2) Alkaline; ☐ 3) Other Corrosives

C. D003: ☐ 1) Reactive Cyanides; ☐ 2) Reactive Sulfides; ☐ 3) Explosives;  
☐ 4) Water Reactives; ☐ 5) Other Reactives

D. ☐ D009: ☐ K106; ☐ U151: ☐ 1) Low Mercury; ☐ 2) High Mercury

E. F025: ☐ 1) Light Ends; ☐ 2) Spent Filters/Aids & Desiccants

F. K061: ☐ 1) Low Zinc; ☐ 2) High Zinc

G. ALL OTHER U.S. EPA HAZARDOUS WASTE NUMBERS

SUBCATEGORIES (IF APPLICABLE)

F003/F005/D007/D018/D035

None

H. Treatability Group (if not previously indicated):

☐ Wastewater; ☒ Non-Wastewater; List any others \_\_\_\_\_

## II. LAND DISPOSAL RESTRICTIONS

☒ A. Restricted wastes with EPA hazardous waste number(s) F003/F005/D007/D018/D035 have treatment standards expressed as constituent concentrations in waste extract (CCWE) per 40 CFR 268.41.

☐ B. Restricted wastes with EPA hazardous waste number(s) \_\_\_\_\_ have treatment standards expressed as constituent concentrations in waste (CCW) per 40 CFR 268.43.

☐ C. Restricted wastes with EPA hazardous waste number(s) \_\_\_\_\_ have treatment standards expressed as a specific technology per 40 CFR 268.42. List the applicable five-letter treatment code:

☐ INCIN: ☐ DEACT: ☐ STABL: Other \_\_\_\_\_

☐ D. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ having a treatment standard based on incineration and are contaminated soil and debris, are not subject to the land disposal prohibition until \_\_\_\_\_.

☐ E. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ subject to other variance, extension or exemptions: Specify \_\_\_\_\_.

<sup>1</sup> Non-Wastewater; <sup>2</sup> Wastewater

# LAND DISPOSAL RESTRICTIONS NOTIFICATION

McDonnell Douglas Corporation - St. Louis  
P.O. Box 516, MC 0343530, St. Louis, MO 63166  
(314) 232-3319

Generator EPA ID: M00 000818963

EPA Waste ID: F002/F003/D001/D007/D008/  
D035/D040

Manifest No.: 123290944/01001-2506

Facility Wastestream No.: 045

This form is submitted in compliance with 40 CFR 269.

## I. WASTE IDENTIFICATION

Identify all U.S. EPA hazardous waste number(s), subcategory(ies) and treatability group(s) applicable to this waste shipment.

### A. D001:

1) Ignitable Liquids: ☒ a) NW<sup>1</sup> TOC  $\geq 10\%$ ; ☐ b) NW<sup>1</sup> 1% to  $<10\%$  TOC; ☐ c) WW<sup>2</sup>  
2) Ignitable Compressed Gases; ☐ 3) Ignitable Reactives; ☐ 4) Oxidizers

B. D002: ☐ 1) Acids; ☐ 2) Alkaline; ☐ 3) Other Corrosives

C. D003: ☐ 1) Reactive Cyanides; ☐ 2) Reactive Sulfides; ☐ 3) Explosives;  
4) Water Reactives; ☐ 5) Other Reactives

D. D009: ☐ K106: ☐ U151: ☐ 1) Low Mercury; ☐ 2) High Mercury

E. F025: ☐ 1) Light Ends; ☐ 2) Spent Filters/Aids & Desiccants

F. K061: ☐ 1) Low Zinc; ☐ 2) High Zinc

G. ALL OTHER U.S. EPA HAZARDOUS WASTE NUMBERS

SUBCATEGORIES (IF APPLICABLE)

F002/F003/D007/D008/D035/D040

None

H. Treatability Group (if not previously indicated):

☐ Wastewater; ☒ Non-Wastewater; List any others

## II. LAND DISPOSAL RESTRICTIONS

☒ A. Restricted wastes with EPA hazardous waste number(s) F002/F003/D007/D008/D035/D040 have treatment standards expressed as constituent concentrations in waste extract (CCWE) per 40 CFR 268.41.

☐ B. Restricted wastes with EPA hazardous waste number(s) have treatment standards expressed as constituent concentrations in waste (CCW) per 40 CFR 268.43.

☐ C. Restricted wastes with EPA hazardous waste number(s) have treatment standards expressed as a specific technology per 40 CFR 268.42. List the applicable five-letter treatment code:

☐ INCIN: ☐ DEACT: ☐ STABL: Other

☐ D. Wastes with EPA hazardous waste number(s) having a treatment standard based on incineration and are contaminated soil and debris, are not subject to the land disposal prohibition until

☐ E. Wastes with EPA hazardous waste number(s) subject to other variance, extension or exemptions: Specify

<sup>1</sup> Non-Wastewater; <sup>2</sup> Wastewater

# LAND DISPOSAL RESTRICTIONS NOTIFICATION

McDonnell Douglas Corporation - St. Louis  
P.O. Box 516, MC 0343530, St. Louis, MO 63166  
(314) 232-3319

Generator EPA ID: MO D000818963

EPA Waste ID: F001/F002/D039/D040

Manifest No.: 123290944/01001-2506

Facility Wastestream No.: 047

This form is submitted in compliance with 40 CFR 269.

## I. WASTE IDENTIFICATION

Identify all U.S. EPA hazardous waste number(s), subcategory(ies) and treatability group(s) applicable to this waste shipment.

A. D001:

1) Ignitable Liquids: \_\_\_ a) NWW<sup>1</sup> TOC  $\geq$  10%; \_\_\_ b) NWW<sup>1</sup> 1% to <10% TOC; \_\_\_ c) WW<sup>2</sup>  
\_\_\_ 2) Ignitable Compressed Gases; \_\_\_ 3) Ignitable Reactives; \_\_\_ 4) Oxidizers

B. D002: \_\_\_ 1) Acids; \_\_\_ 2) Alkaline; \_\_\_ 3) Other Corrosives

C. D003: \_\_\_ 1) Reactive Cyanides; \_\_\_ 2) Reactive Sulfides; \_\_\_ 3) Explosives;  
\_\_\_ 4) Water Reactives; \_\_\_ 5) Other Reactives

D. \_\_\_ D009: \_\_\_ K106: \_\_\_ U151: \_\_\_ 1) Low Mercury; \_\_\_ 2) High Mercury

E. F025: \_\_\_ 1) Light Ends; \_\_\_ 2) Spent Filters/Aids & Desiccants

F. K061: \_\_\_ 1) Low Zinc; \_\_\_ 2) High Zinc

G. ALL OTHER U.S. EPA HAZARDOUS WASTE NUMBERS

SUBCATEGORIES (IF APPLICABLE)

F001/F002/D039/D040

None

H. Treatability Group (if not previously indicated):

\_\_\_ Wastewater; ☒ Non-Wastewater; List any others \_\_\_\_\_

## II. LAND DISPOSAL RESTRICTIONS

☒ A. Restricted wastes with EPA hazardous waste number(s) F001/F002/D039/D040  
have treatment standards expressed as constituent concentrations in waste extract  
(CCWE) per 40 CFR 268.41.

\_\_\_ B. Restricted wastes with EPA hazardous waste number(s) \_\_\_\_\_  
have treatment standards expressed as constituent concentrations in waste (CCW)  
per 40 CFR 268.43.

\_\_\_ C. Restricted wastes with EPA hazardous waste number(s) \_\_\_\_\_  
have treatment standards expressed as a specific technology per 40 CFR 268.42.  
List the applicable five-letter treatment code:

\_\_\_ INCIN: \_\_\_ DEACT: \_\_\_ STABL: Other \_\_\_\_\_

\_\_\_ D. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ having a  
treatment standard based on incineration and are contaminated soil and debris, are  
not subject to the land disposal prohibition until \_\_\_\_\_.

\_\_\_ E. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ subject  
to other variance, extension or exemptions: Specify \_\_\_\_\_.

<sup>1</sup> Non-Wastewater; <sup>2</sup> Wastewater





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 178  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3178

## FACILITY SUMMARY REPORT PART I

REPORT CONTINUED FORM, ATTACH SITE IDENTIFICATION LABEL  
MCDONNELL AIRCRAFT CO. TRACT 1  
CONTACT: JOSEPH HAAKE  
MCDONNELL & LINDBERGH BLVD.  
HAZELWOOD MO 63042  
EPA ID=MOD000818963 MO ID=HH1013/  
RR0268

FACILITY'S EPA I.D. NUMBER	FACILITY'S MISSOURI I.D. NUMBER
M.O.D.O.O.O.8.1.8.9.6.3	R. R. 0.2.6.8
NOTE: THE FEDERAL EPA AND MISSOURI FACILITY I.D. NUMBERS ARE ASSIGNED EXCLUSIVELY TO THE SITE WHERE WASTE IS HANDLED. YOU MUST NOTIFY THE DEPARTMENT IF THE ADDRESS FOR THE FACILITY SITE CHANGES.	

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

### SECTION A - REPORT IDENTIFICATION

IMPORTANT: ALL MISSOURI BASED FACILITIES THAT RECLAIM, TREAT, STORE, OR DISPOSE HAZARDOUS WASTE ON-SITE SHALL REPORT THE TYPE, QUANTITY AND HANDLING METHOD USED FOR EACH WASTE RECEIVED FROM ALL SOURCES. ALL FACILITIES MUST REPORT QUARTERLY.

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

2. PAGE

☐ 9-30-\_\_\_\_ (YEAR) ☐ 12-31-\_\_\_\_ (YEAR)

☒ 3-31-93 (YEAR) ☐ 6-30-\_\_\_\_ (YEAR)

1 of 17

### SECTION B - FACILITY IDENTIFICATION

3. FACILITY NAME ☒ SAME AS LABEL

McDonnell Aircraft Company

4. FACILITY CONTACT PERSON (NAME) ☒ SAME AS LABEL

Joseph Haake

TELEPHONE NUMBER

314-232-3319

5. MAILING ADDRESS

P.O. Box 516, Mail Code 0343530

CITY

St. Louis

STATE

MO

ZIP CODE

63166

6. PLANT SITE ADDRESS ☒ SAME AS LABEL

McDonnell & Lindbergh Blvd.

CITY

Hazelwood

STATE

MO

ZIP CODE

63042

7. NAME OF PARENT FIRM

McDonnell Douglas Corporation

OFFICE USE ONLY

### SECTION C - COMMENTS

### SECTION D - CERTIFICATION STATEMENT

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

PRINT NAME

ROBERT H. KAATMAN

SIGNATURE

*Robert H. Kaatman*

DATE

14 MAY 93



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 176  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
**FACILITY SUMMARY REPORT  
PART II**

**BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.**

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA  
ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI  
I.D. NUMBER

R . R . O . 2 . 6 . 8

**NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE**

**SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30- \_\_\_\_ (YEAR) ☐ 12-31- \_\_\_\_ (YEAR)

☒ 3-31- 93 (YEAR) ☐ 6-30- \_\_\_\_ (YEAR)

2. PAGE

2 OF 17

**NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.**

**SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)**

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M.O.D.O.O.O.8.1.8.9.5.5

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

6951 North Hanley Road, Hazelwood, MO 63042

7. GENERATOR'S MISSOURI I.D. NUMBER

0.0.1.2.4.9

**SECTION G - WASTE IDENTIFICATION**

**(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)**

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Debris from aircraft servicing/painting	1 5	D 0 0 7	F 0 0 2	2,760	P	.	S 0 1	T 0 3
2	Oil contaminated with chlorinated solvents	1 3	F 0 0 1	F 0 0 2	490	P	.	S 0 1	T 5 0
3	Oil contaminated with chlorinated solvents	1 3	D 0 3 9	D 0 4 0	1,469	P	.	S 0 1	T 5 0
4	Ignitable solvents from painting/metal cleaning	0 8	F 0 0 2	F 0 0 3	160	P	.	S 0 1	T 5 0
5		.	F 0 0 5	.			.	.	.
6		.	D 0 0 1	D 0 0 7			.	.	.
7		.	0 0 3 5	.			.	.	.
8		.	.	.			.	.	.

**SECTION H - COMMENTS**

15.

Line 1: Additional final handling code: T50

Lines 2,3,4: Additional final handling code: T03



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 178  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3178  
**FACILITY SUMMARY REPORT  
PART II**

**BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.**

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA  
ID NUMBER

M.O.D.0.0.0.8.1.8.9.6.3

FACILITY'S MISSOURI  
I.D. NUMBER

R. R. 0. 2. 6. 8

**NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE**

**SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30- \_\_\_\_ (YEAR) ☐ 12-31- \_\_\_\_ (YEAR)  
☒ 3-31- 93 (YEAR) ☐ 6-30- \_\_\_\_ (YEAR)

2. PAGE

3 OF 17

**NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.**

**SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)**

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M O D 0 0 0 8 1 8 9 7 1

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

5775 Campus Pkwy., Hazelwood, MO 63042

7. GENERATOR'S MISSOURI I.D. NUMBER

0.0.1.2.5.1

**SECTION G - WASTE IDENTIFICATION**

**(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)**

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Water-emulsified cutting oil	.	D.0.9.8	. . .	8,720	P	.	S.0.1	T.0.4
2	Debris from aircraft servicing/painting	1 5	D.0.0.7 F.0.0.3	F.0.0.2 F.0.0.5	2,760	P	.	S.0.1	T.5.0
3	Ignitable solvents from painting/metal cleaning	0 8	F.0.0.3 D.0.0.1	F.0.0.5 D.0.0.7	2,640	P	.	S.0.1	T.5.0
4		.	D.0.3.5	. . .			.	. .	. .
5	Oil contaminated with chlorinated solvents	1 3	F.0.0.1 D.0.3.9	F.0.0.2 D.0.4.0	1,469	P	.	S.0.1	T.5.0
6	Oil contaminated with chlorinated solvents	1 3	F.0.0.2 F.0.0.5	F.0.0.3 . . .	3,427	P	.	S.0.1	T.5.0
7		.	. . .	. . .			.	. .	. .
8		.	. . .	. . .			.	. .	. .

**SECTION H - COMMENTS**

15.  
Line 1 additional final handling code: T50  
Lines 2,3,5,6 additional final handling code: T03



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 178  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3178  
**FACILITY SUMMARY REPORT  
PART II**

**BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.**

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA  
ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI  
I.D. NUMBER

R.R.O.2.6.8

**NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE**

**SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30- \_\_\_\_ (YEAR) ☐ 12-31- \_\_\_\_ (YEAR)  
☒ 3-31- 93 (YEAR) ☐ 6-30- \_\_\_\_ (YEAR)

2. PAGE

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**NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.**

**SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)**

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M.O.D.O.O.O.8.1.8.9.4.8

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

Second & Morgan Streets, St. Charles, MO 63301

7. GENERATOR'S MISSOURI I.D. NUMBER

0 0 1 2 5 3

**SECTION G - WASTE IDENTIFICATION**

**(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)**

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Debris from aircraft servicing/painting	1 5	F 0 0 2	F 0 0 3	4,140	P	.	S 0 1	T 5 0
2	Oil contaminated with chlorinated solvents	1 3	F 0 0 2	F 0 0 3	1,958	P	.	S 0 1	T 5 0
3	Coolant	.	D 0 9 8	.	3,080	P	.	S 0 1	T 0 4
4		.	.	.			.	.	.
5		.	.	.			.	.	.
6		.	.	.			.	.	.
7		.	.	.			.	.	.
8		.	.	.			.	.	.

**SECTION H - COMMENTS**

15.

Lines 1,2 additional final handling code: T03

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 176  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
**FACILITY SUMMARY REPORT  
PART II**

**BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.**

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA  
ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI  
I.D. NUMBER

R.R.O.2.6.8

**NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE**

**SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30- \_\_\_\_ (YEAR) ☐ 12-31- \_\_\_\_ (YEAR)  
☒ 3-31- 93 (YEAR) ☐ 6-30- \_\_\_\_ (YEAR)

2. PAGE

5 OF 17

**NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.**

**SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)**

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M.O.D.O.O.O.8.1.8.9.1.4

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

325 McDonnell Blvd., Hazelwood, MO 63042

7. GENERATOR'S MISSOURI I.D. NUMBER

0.0.1.2.5.4

**SECTION G - WASTE IDENTIFICATION**

**(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)**

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Ignitable solvents from painting/metal cleaning	08	F0003	F0005	960	P	.	S01	T50
2		.	D0001	D0007			.	.	.
3		.	D0035	.			.	.	.
4		.	.	.			.	.	.
5		.	.	.			.	.	.
6		.	.	.			.	.	.
7		.	.	.			.	.	.
8		.	.	.			.	.	.

**SECTION H - COMMENTS**

15.

Additional final handling code: T03





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 176  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
**FACILITY SUMMARY REPORT  
PART II**

**BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.**

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA  
ID NUMBER

M. 0. D. 0. 0. 0. 8. 1. 8. 9. 6. 3

FACILITY'S MISSOURI  
I.D. NUMBER

R. R. 0. 2. 6. 8

**NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE**

**SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30-\_\_\_\_ (YEAR) ☐ 12-31-\_\_\_\_ (YEAR)

☒ 3-31-93 (YEAR) ☐ 6-30-\_\_\_\_ (YEAR)

2. PAGE

6 OF 17

**NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.**

**SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)**

1. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M. 0. D. 9. 8. 0. 6. 3. 3. 3. 4. 1

1. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

4341 Green Ash, Earth City, MO 63045

7. GENERATOR'S MISSOURI I.D. NUMBER

0. 0. 3. 3. 2. 6

**SECTION G - WASTE IDENTIFICATION**

**SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)**

8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
							INTERIM	FINAL
Ignitable solvents from painting/metal cleaning	0 8	F 0 0 3	F 0 0 5	880	P	.	S 0 1	T 5 0
		D 0 0 1	D 0 0 7					
		D 0 3 5	.					
Debris from aircraft servicing/painting	1 5	F 0 0 2	F 0 0 3	690	P	.	S 0 1	T 5 0
		F 0 0 5	.					
		.	.					
	.	.	.			.	.	.
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	.	.	.			.	.	.
	.	.	.			.	.	.

**SECTION H - COMMENTS**

Lines 1,2 additional final handling codes: T03



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 176  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
**FACILITY SUMMARY REPORT  
PART II**

**BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.**

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA  
ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI  
I.D. NUMBER

R.R.O.2.6.8

**NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE**

**SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30- \_\_\_\_ (YEAR) ☐ 12-31- \_\_\_\_ (YEAR)  
☒ 3-31- 93 (YEAR) ☐ 6-30- \_\_\_\_ (YEAR)

2. PAGE

7 OF 17

**NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.**

**SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)**

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M.O.D.9.8.0.8.5.9.6.1.5

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

6667 Jonas Place, Hazelwood, MO 63042

7. GENERATOR'S MISSOURI I.D. NUMBER

0.0.4.0.0.8

**SECTION G - WASTE IDENTIFICATION**

**(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)**

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Flammable laboratory chemicals	0 8	D-0-0-1	.	800	P	.	S-0-1	T-0-3
2	Water-emulsified cutting oil	.	D-0-9-8	.	40	P	.	S-0-1	T-0-4
3	Alkaline from derusting of metal parts	0 2	D-0-0-2	D-0-0-7	519	P	.	S-0-1	T-0-4
4		.	.	.			.	.	.
5		.	.	.			.	.	.
6		.	.	.			.	.	.
7		.	.	.			.	.	.
8		.	.	.			.	.	.

**SECTION H - COMMENTS**

15. Line 2: Additional final handling code: T50

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 178  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
**FACILITY SUMMARY REPORT  
PART II**

**BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.**

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA  
ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI  
I.D. NUMBER

R.R.O.2.6.8

**NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE**

**SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30-\_\_\_\_ (YEAR) ☐ 12-31-\_\_\_\_ (YEAR)  
☒ 3-31- 93 (YEAR) ☐ 6-30-\_\_\_\_ (YEAR)

2. PAGE

8 OF 17

**NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.**

**SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)**

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M O D 9 8 0 9 6 8 4 5 7

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

8900 Frost, Berkeley, MO 63134

7. GENERATOR'S MISSOURI I.D. NUMBER

0.0.4.2.1.7

**SECTION G - WASTE IDENTIFICATION**

**(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)**

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Ignitable solvents from painting/metal cleaning	0 8	F-0-0-3 D-0-0-1	F-0-0-5 D-0-0-7	880	P	.	S 0 1	T 5 0
2		.	D-0-3-5 .	. . . .			.	. . .	. . .
3	Alkaline from derusting of metal parts	0 2	D-0-0-2 D-0-0-7	D-0-0-8 .	1,557	P	.	S 0 1	T 0 4
4	Oil contaminated with chlorinated solvents	1 3	F-0-0-1 D-0-3-9	F-0-0-2 D-0-4-0	1,469	P	.	S 0 1	T 5 0
5	Oil contaminated with chlorinated solvents	1 3	F-0-0-2 F-0-0-5	F-0-0-3 .	1,469	P	.	S 0 1	T 5 0
6		.	. . . .	. . . .			.	. . .	. . .
7		.	. . . .	. . . .			.	. . .	. . .
8		.	. . . .	. . . .			.	. . .	. . .

**SECTION H - COMMENTS**

15. Lines 1, 4, 5 additional final handling codes: T03

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 178  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
**FACILITY SUMMARY REPORT  
PART II**

**BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.**

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA  
ID NUMBER

**M. O. D. O. O. O. 8. 1. 8. 9. 6. 3**

FACILITY'S MISSOURI  
I.D. NUMBER

**R. R. O. 2. 6. 8**

**NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE**

**SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

- ☐ 9-30- \_\_\_\_ (YEAR)    ☐ 12-31- \_\_\_\_ (YEAR)  
☒ 3-31- 93 (YEAR)    ☐ 6-30- \_\_\_\_ (YEAR)

2. PAGE

9 OF 17

**NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.**

**SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)**

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

**M. O. D. 9. 8. 5. 7. 7. 1. 8. 0. 7**

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

4240 Rider Trail, Earth City, MO 63045

7. GENERATOR'S MISSOURI I.D. NUMBER

**0. 1. 2. 5. 6. 5**

**SECTION G - WASTE IDENTIFICATION**

**(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)**

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER	11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
							INTERIM	FINAL
1	Debris from aircraft servicing/painting	1.5	B 0 0 7 F 0 0 2 F 0 0 3 F 0 0 5	6,210	P	.	S' 0' 1	T' 5' 0
2	Ignitable solvents from painting/metal cleaning	0.8	F 0 0 3 F 0 0 5 B 0 0 1 B 0 0 7 B 0 3 5 . . .	880	P	.	S' 0' 1	T' 5' 0
3		.	. . .			.	. .	. .
4		.	. . .			.	. .	. .
5		.	. . .			.	. .	. .
6		.	. . .			.	. .	. .
7		.	. . .			.	. .	. .
8		.	. . .			.	. .	. .

**SECTION H - COMMENTS**

15.

Lines 1 and 2 additional final handling code: T03





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 176  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
**FACILITY SUMMARY REPORT**  
**PART II**

**BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.**

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA  
ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI  
I.D. NUMBER

R.R.O.2.6.8

**NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE**

**SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30-\_\_\_\_ (YEAR) ☐ 12-31-\_\_\_\_ (YEAR)  
☒ 3-31-93 (YEAR) ☐ 6-30-\_\_\_\_ (YEAR)

2. PAGE

11 OF 17

**NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.**

**SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)**

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M.O.D.O.O.O.8.1.8.9.0.6

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

Airport Rd. & McDonnell Blvd., St. Louis, MO 63134

7. GENERATOR'S MISSOURI I.D. NUMBER

0.0.1.2.4.8

**SECTION G - WASTE IDENTIFICATION**

(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Acid from chemical conversion coating	0 2	D 0 0 2	D 0 0 5	519	P	.	S 0 1	T 0 4
2	Acid from stainless steel pickling/plating	0 2	D 0 0 2	D 0 0 7	519	P	.	S 0 1	T 0 4
3	Alkaline from chrome plating	0 2	D 0 0 2	D 0 0 7	495	P	.	S 0 1	T 0 4
4	Water-emulsified cutting oil	.	D 0 9 8	.	880	P	.	S 0 1	T 0 4
5	Chlorinated solvent from degreasing	1 3	F 0 0 1	.	583	P	.	S 0 1	T 5 4
6	Chlorinated solvent from painting/paint removal	1 3	F 0 0 1	F 0 0 2	3,498	P	.	S 0 1	T 5 0
7	Ignitable solvents from painting/metal cleaning	0 8	F 0 0 3	F 0 0 5	440	P	.	S 0 1	T 5 0
8		.	D 0 3 5	.			.	.	.

**SECTION H - COMMENTS**

15.  
Line 4: Additional final handling code: T50  
Lines 6,7 additional final handling code: T03

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM

P.O. BOX 178  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176

FACILITY SUMMARY REPORT  
PART II

BEFORE COPYING FORM, ENTER THE FACILITY NAME AND  
IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA  
ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI  
I.D. NUMBER

R.R.O.2.6.8

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30- \_\_\_\_ (YEAR) ☐ 12-31- \_\_\_\_ (YEAR)  
☒ 3-31- 93 (YEAR) ☐ 6-30- \_\_\_\_ (YEAR)

2. PAGE

12 OF 17

NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED  
AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE  
ON THIS PAGE. ADDITIONAL PAGES NEED TO BE  
COMPLETED FOR EACH INDIVIDUAL SOURCE.

SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS  
PAGE WAS BOTH GENERATED AND MANAGED ON-  
SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

Airport Rd. & McDonnell Blvd., St. Louis, MO 63134

7. GENERATOR'S MISSOURI I.D. NUMBER

0.0.1.2.4.8

SECTION G - WASTE IDENTIFICATION

(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Ignitable/chlorinated solvents	0 8	F 0 0 2	F 0 0 3	1,023	P	.	S 0 1	T 5 0
			F 0 0 5	D 0 0 1					
2			D 0 0 7	D 0 0 8					
			D 0 3 5	D 0 4 0			.	.	.
3	Oil contaminated with chlorinated solvents	1 3	F 0 0 2	F 0 0 3	8,323	P	.	S 0 1	T 5 0
			F 0 0 5	.					
4	Oil contaminated with chlorinated solvents	1 3	F 0 0 1	F 0 0 2	4,895	P	.	S 0 1	T 5 0
			D 0 3 9	D 0 4 0					
5	Acid sludge from various process tanks	0 2	D 0 0 2	.	892	P	.	S 0 1	T 0 4
			.	.					
6	Stripping/cleaning bath from electroplating	1 8	D 0 0 3	D 0 0 4	242	P	.	S 0 1	T 0 4
			.	.					
7	Fluoroboric acid	0 2	D 0 0 2	.	2,358	P	.	S 0 1	T 0 4
			.	.					
8	PCB-contaminated ballasts	1 5	.	.	1,100	P	.	S 0 1	T 0 3
			.	.					

SECTION H - COMMENTS

15.

Lines 1,3,4 additional final handling code: T03

T04: Precipitation, reduction, neutralization, filtration, coagulation, oxidation, fixation, and discharge to POTW - Line 6

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW - Lines 5 and 7



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM

P.O. BOX 178  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3178

FACILITY SUMMARY REPORT  
PART II

BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA ID NUMBER

M.O.D.000818963

FACILITY'S MISSOURI I.D. NUMBER

R.R.0.2.6.8

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30-\_\_\_\_ (YEAR) ☐ 12-31-\_\_\_\_ (YEAR)  
☒ 3-31-93 (YEAR) ☐ 6-30-\_\_\_\_ (YEAR)

2. PAGE

13 OF 17

NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.

SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M O D 0 0 0 8 1 8 9 0 6

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

7. GENERATOR'S MISSOURI I.D. NUMBER

Airport Rd. & McDonnell Blvd., St. Louis, MO 63134

0-0-1-2-4-8

SECTION G - WASTE IDENTIFICATION

(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Waste nickel solution non regulated	.	.	.	2,357	P	.	S 0 1	T 0 4
2		.	.	.			.	.	.
3		.	.	.			.	.	.
4		.	.	.			.	.	.
5		.	.	.			.	.	.
6		.	.	.			.	.	.
7		.	.	.			.	.	.
8		.	.	.			.	.	.

SECTION H - COMMENTS

15.

T04: Precipitation, reduction, neutralization, filtration, coagulation, oxidation, fixation, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 176  
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(314) 751-3176  
**FACILITY SUMMARY REPORT  
PART II**

**BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.**

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA  
ID NUMBER

M 0 D 0 0 0 8 1 8 9 6 3

FACILITY'S MISSOURI  
I.D. NUMBER

R . R . 0 . 2 . 6 . 8

**NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE**

**SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30-\_\_\_\_ (YEAR) ☐ 12-31-\_\_\_\_ (YEAR)  
☒ 3-31-93 (YEAR) ☐ 6-30-\_\_\_\_ (YEAR)

2. PAGE

14 OF 17

**NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.**

**SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)**

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX

☒

5. GENERATOR'S U.S. EPA I.D. NUMBER

M 0 D 0 0 0 8 1 8 9 6 3

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

Lindbergh & McDonnell Blvd., Hazelwood, MO 63042

7. GENERATOR'S MISSOURI I.D. NUMBER

0.0.1.0.0.1

**SECTION G - WASTE IDENTIFICATION**

**(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)**

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Chlorinated solvent from degreasing	.	F 0 0 1	.	18,540	P	.	S 0 1	T 5 4
2	Oil contaminated with chlorinated solvent	1 3	F 0 0 1	F 0 0 2	68,397	P	.	S 0 1	T 5 0
3	Ignitable solvents from painting/metal cleaning	0 8	F 0 0 3	F 0 0 5	50,456	P	.	S 0 1	T 5 0
4		.	D 0 3 5	.			.	.	.
5	Chlorinated solvent from painting/paint removal	1 3	D 0 4 0	.	1,685	P	.	S 0 1	T 5 0
6	Alkaline cleaning solution	0 2	D 0 0 2	.	477	P	.	S 0 1	T 0 4
7	Caustic soda beads	0 2	D 0 0 2	.	400	P	.	S 0 1	T 0 4
8	Potassium dichromate filters - dry	1 6	D 0 0 1	.	350	P	.	S 0 1	T 0 3

**SECTION H - COMMENTS**

15. Lines 2, 3, 5 additional final handling code: T03

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 176  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
**FACILITY SUMMARY REPORT  
PART II**

**BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.**

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA  
ID NUMBER

M·0·D·0·0·0·8·1·8·9·6·3

FACILITY'S MISSOURI  
I.D. NUMBER

R·R·0·2·6·8

**NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE**

**SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

- ☐ 9-30- \_\_\_\_ (YEAR) ☐ 12-31- \_\_\_\_ (YEAR)  
☒ 3-31-93 (YEAR) ☐ 6-30- \_\_\_\_ (YEAR)

2. PAGE

15 OF 17

**NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.**

**SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)**

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX



5. GENERATOR'S U.S.EPA I.D. NUMBER

M·0·D·0·0·0·8·1·8·9·6·3

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

Lindbergh & McDonnell Blvd., Hazelwood, MO 63042

7. GENERATOR'S MISSOURI I.D. NUMBER

0·0·1·0·0·1

**SECTION G - WASTE IDENTIFICATION**

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								INTERIM	FINAL
1	Waste chem mill mask	.	.	.	350	P	.	S·0·1	T·0·4
2	Alkaline from derusting of metal parts	0·2	D·0·0·2	.	8,109	P	.	S·0·1	T·0·4
3	Acid from metal surface passivate	0·2	D·0·0·2	D·0·0·7	5,247	P	.	S·0·1	T·0·4
4	Solution from coating removal	0·2	D·0·0·2	D·0·0·7	1,299	P	.	S·0·1	T·0·4
5	Acid from plating/ hard coating	0·2	D·0·0·2	.	1,908	P	.	S·0·1	T·0·4
6	Mold material from die-casting metals	02	D·0·0·2	.	6,678	P	.	S·0·1	T·0·4
7	Alkaline from chrome plating	0·2	D·0·0·2	D·007·	954	P	.	S·0·1	T·0·4
8	Alkaline sludge from various process tanks	0·2	D·0·0·2	.	3,568	P	.	S·0·1	T·0·4

**SECTION H - COMMENTS**

15.

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 176  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
**FACILITY SUMMARY REPORT  
PART II**

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FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA  
ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI  
I.D. NUMBER

R.R.O.2.6.8

**NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE**

**SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30- \_\_\_\_ (YEAR) ☐ 12-31- \_\_\_\_ (YEAR)  
☒ 3-31- 93 (YEAR) ☐ 6-30- \_\_\_\_ (YEAR)

2. PAGE

16 OF 17

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McDonnell Douglas Corporation

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5. GENERATOR'S U.S. EPA I.D. NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

Lindbergh & McDonnell Blvd., Hazelwood, MO 63042

7. GENERATOR'S MISSOURI I.D. NUMBER

0.0.1.0.0.1

**SECTION G - WASTE IDENTIFICATION**

**(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)**

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER	11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
							INTERIM	FINAL
1	Acid sludge from various process tanks	0'2	D-0-0-2 . . . . . . . .	4,460	P	.	S'0 1	T'0 4
2	Ignitable/chlorinated solvents	0'8	F-0-0-2 F-0-0-3 F-0-0-5 D-0-0-1	986	P	.	S'0 1	T'5 0
3		.	D-0-0-7 D-008 D-0-3-5 D-0-40			.	.	.
4	Flammable laboratory chemicals	0'8	D-0-0-1 . . . . . . . .	13,568	P	.	S'0 1	T'0 3
5	Wastewater pretreatment sludge contaminated with	1'5	D-0-0-1 D-0-0-7 D-0-0-8 F-0-0-6	13,865	P	.	S'0 1	T'0 3
6	JP-5	.	F-0-1-9 . . . . . . . .			.	.	.
7	Waste resin solution	0'8	D-0-0-1 . . . . . . . .	539	P	.	S'0 1	T'0 3
8	Waste adhesive solution	0'8	D-0-0-1 . . . . . . . .	544	P	.	S'0 1	T'0 3

**SECTION H - COMMENTS**

15.

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.

Line 2 additional final handling code: T03





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
HAZARDOUS WASTE PROGRAM  
P.O. BOX 176  
JEFFERSON CITY, MISSOURI 65102  
(314) 751-3176  
**FACILITY SUMMARY REPORT  
PART II**

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McDonnell Douglas Corporation

FACILITY'S EPA  
ID NUMBER

M.O.D.0.0.0.8.1.8.9.6.3

FACILITY'S MISSOURI  
I.D. NUMBER

R.R.0.2.6.8

**NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE**

**SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)**

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30-\_\_\_\_ (YEAR) ☐ 12-31-\_\_\_\_ (YEAR)  
☒ 3-31-93 (YEAR) ☐ 6-30-\_\_\_\_ (YEAR)

2. PAGE

17 OF 17

**NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.**

**SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)**

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX

☒

5. GENERATOR'S U.S. EPA I.D. NUMBER

M.O.D.0.0.0.8.1.8.9.6.3

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

Lindbergh & McDonnell Blvd., Hazelwood, MO 63042

7. GENERATOR'S MISSOURI I.D. NUMBER

001001

**SECTION G - WASTE IDENTIFICATION**

**(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)**

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Water-emulsified cutting oil	.	D-0-9-8	. . .	1,272	P	.	S-0-1	T-0-4
2	Industrial wastewater pretreatment sludge	1 5	F-0-0-6	F-0-1-9	735,750	P	.	S-0-2	T-0-4
3	Acid from oxide removal on metal surfaces	0 2	D-0-0-2	D-0-0-7	1,499	P	.	S-0-1	T-0-4
4		.	. . .	. . .			.	. .	. .
5		.	. . .	. . .			.	. .	. .
6		.	. . .	. . .			.	. .	. .
7		.	. . .	. . .			.	. .	. .
8		.	. . .	. . .			.	. .	. .

**SECTION H - COMMENTS**

15.

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.

Line 1: additional final handling code: T50

THIS DOCUMENT MUST BE USED  
FOR ALL MISSOURI-DESTINED  
SHIPMENTS

## 314-751-3176

# HAZARDOUS WASTE MANIFEST

**EMERGENCY RESPONSE**  
**U.S. COAST GUARD**  
**1-800-424-8802**

**CHEM TREC**  
**1-800-424-9300**

**DEPT. OF NATURAL RESOURCES**  
**314-634-2436**

Form Approved OMB No 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page _____ of _____		Information in the shaded areas is required by State law.			
3. Generator's Name and Mailing Address McDonnell Douglas Corporation, Mailcode 0343536 Airport Rd. & McDonnell Blvd., St. Louis, Mo 63134				A. Missouri Manifest Document Number 012481 0733		B. G.S.I. (Gen. Site Address) Same 001248					
4. Generator's Phone (314) 232-3319				6. US EPA ID Number		C. MO. Trans. ID		H-1039 13-501			
5. Transporter 1 Company Name McDonnell Douglas Corporation				8. US EPA ID Number		D. Transporter's Phone		314-232-9327			
7. Transporter 2 Company Name None				10. US EPA ID Number		E. MO. Trans. ID		F. Transporter's Phone			
9. Designated Facility Name and Site Address McDonnell Douglas Corporation Lindbergh & McDonnell Divs., Hazelwood, Mo 63042				G. State Facility's ID MOD000318963 RR0268		H. Facility's Phone 314-2232-3319					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity			
a. RQ Waste ORM-A, N.O.S. (contains chlorinated solvents, ORM-A RA1693 (F001/F002/D040))						Number		Type			
						004		002200			
b. <del>XX</del> RQ Waste Trichloroethylene ORM-A UN1710 (F001)											
c.											
d.											
J. Additional Descriptions for Materials Listed Above						K. HANDLING CODE (FACILITY USE ONLY)					
a. also F002/D040 S.G. 1.2 MO ID 041						INTERIM		FINAL		COMMENTS	
b. S.G. 1.2 MO ID 041						S101		T5.4			
c.											
d.											
15. Special Handling Instructions and Additional Information											
"If unable to deliver to designated TSD facility, return to generator." Emergency Contact: 314-232-2235											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.											
Printed/Typed Name A. ODELL M <sup>S</sup> COLLOUGH					Signature A. Odell M <sup>S</sup> Colough			Month Day Year 01/20/93			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Don W. Joffiff					Signature Don W. Joffiff			Month Day Year 01/20/93			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name					Signature			Month Day Year			
19. Discrepancy Indication Space											
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name GARY BYFORD					Signature Gary Byford			Month Day Year 01/20/93			

THIS COPY MUST BE RETAINED BY THE GENERATOR AFTER ITS RETURN FROM

LAND DISPOSAL RESTRICTIONS NOTIFICATION

McDonnell Douglas Corporation - St. Louis  
P.O. Box 516, MC 0343530, St. Louis, MO 63166  
(314) 232-3319

Generator EPA ID: M05000818906

EPA Waste ID: F001/F002/D040

Manifest No.: 01248-0783

Facility Wastestream No.: 041

This form is submitted in compliance with 40 CFR 269.

I. WASTE IDENTIFICATION

Identify all U.S. EPA hazardous waste number(s), subcategory(ies) and treatability group(s) applicable to this waste shipment.

A. D001:

1) Ignitable Liquids: \_\_\_ a) NWW<sup>1</sup> TOC  $\geq 10\%$ ; \_\_\_ b) NWW<sup>1</sup> 1% to  $<10\%$  TOC; \_\_\_ c) WW<sup>2</sup>  
\_\_\_ 2) Ignitable Compressed Gases; \_\_\_ 3) Ignitable Reactives; \_\_\_ 4) Oxidizers

B. D002: \_\_\_ 1) Acids; \_\_\_ 2) Alkaline; \_\_\_ 3) Other Corrosives

C. D003: \_\_\_ 1) Reactive Cyanides; \_\_\_ 2) Reactive Sulfides; \_\_\_ 3) Explosives;  
\_\_\_ 4) Water Reactives; \_\_\_ 5) Other Reactives

D. \_\_\_ D009: \_\_\_ K106: \_\_\_ U151: \_\_\_ 1) Low Mercury; \_\_\_ 2) High Mercury

E. F025: \_\_\_ 1) Light Ends; \_\_\_ 2) Spent Filters/Aids & Desiccants

F. K061: \_\_\_ 1) Low Zinc; \_\_\_ 2) High Zinc

G. ALL OTHER U.S. EPA HAZARDOUS WASTE NUMBERS

SUBCATEGORIES (IF APPLICABLE)

F001/F002/D040

None

H. Treatability Group (if not previously indicated):

\_\_\_ Wastewater; ☒ Non-Wastewater; List any others \_\_\_\_\_

II. LAND DISPOSAL RESTRICTIONS

☒ A. Restricted wastes with EPA hazardous waste number(s) F001/F002/D040  
have treatment standards expressed as constituent concentrations in waste extract  
(CCWE) per 40 CFR 268.41.

\_\_\_ B. Restricted wastes with EPA hazardous waste number(s) \_\_\_\_\_  
have treatment standards expressed as constituent concentrations in waste (CCW)  
per 40 CFR 268.43.

\_\_\_ C. Restricted wastes with EPA hazardous waste number(s) \_\_\_\_\_  
have treatment standards expressed as a specific technology per 40 CFR 268.42.  
List the applicable five-letter treatment code:

\_\_\_ INCIN: \_\_\_ DEACT: \_\_\_ STABL: Other \_\_\_\_\_

\_\_\_ D. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ having a  
treatment standard based on incineration and are contaminated soil and debris, are  
not subject to the land disposal prohibition until \_\_\_\_\_.

\_\_\_ E. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ subject  
to other variance, extension or exemptions: Specify \_\_\_\_\_.

<sup>1</sup>Non-Wastewater; <sup>2</sup>Wastewater

LAND DISPOSAL RESTRICTIONS NOTIFICATION

McDonnell Douglas Corporation - St. Louis  
P.O. Box 516, MC 0343530, St. Louis, MO 63166  
(314) 232-3319

Generator EPA ID: MOD 00081 P906

EPA Waste ID: F001

Manifest No.: 01248-0783

Facility Wastestream No.: 041

This form is submitted in compliance with 40 CFR 269.

I. WASTE IDENTIFICATION

Identify all U.S. EPA hazardous waste number(s), subcategory(ies) and treatability group(s) applicable to this waste shipment.

A. D001:

1) Ignitable Liquids: \_\_\_ a) NWW<sup>1</sup> TOC  $\geq$  10%; \_\_\_ b) NWW<sup>1</sup> 1% to < 10% TOC; \_\_\_ c) WW<sup>2</sup>  
\_\_\_ 2) Ignitable Compressed Gases; \_\_\_ 3) Ignitable Reactives; \_\_\_ 4) Oxidizers

B. D002: \_\_\_ 1) Acids; \_\_\_ 2) Alkaline; \_\_\_ 3) Other Corrosives

C. D003: \_\_\_ 1) Reactive Cyanides; \_\_\_ 2) Reactive Sulfides; \_\_\_ 3) Explosives;  
\_\_\_ 4) Water Reactives; \_\_\_ 5) Other Reactives

D. \_\_\_ D009: \_\_\_ K106: \_\_\_ U151: \_\_\_ 1) Low Mercury; \_\_\_ 2) High Mercury

E. F025: \_\_\_ 1) Light Ends; \_\_\_ 2) Spent Filters/Aids & Desiccants

F. K061: \_\_\_ 1) Low Zinc; \_\_\_ 2) High Zinc

G. ALL OTHER U.S. EPA HAZARDOUS WASTE NUMBERS

SUBCATEGORIES (IF APPLICABLE)

H. Treatability Group (if not previously indicated):

\_\_\_ Wastewater; ☒ Non-Wastewater; List any others \_\_\_\_\_

II. LAND DISPOSAL RESTRICTIONS

☒ A. Restricted wastes with EPA hazardous waste number(s) F001  
have treatment standards expressed as constituent concentrations in waste extract (CCWE) per 40 CFR 268.41.

\_\_\_ B. Restricted wastes with EPA hazardous waste number(s) \_\_\_\_\_  
have treatment standards expressed as constituent concentrations in waste (CCW) per 40 CFR 268.43.

\_\_\_ C. Restricted wastes with EPA hazardous waste number(s) \_\_\_\_\_  
have treatment standards expressed as a specific technology per 40 CFR 268.42.  
List the applicable five-letter treatment code:

\_\_\_ INCIN: \_\_\_ DEACT: \_\_\_ STABL: Other \_\_\_\_\_

\_\_\_ D. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ having a  
treatment standard based on incineration and are contaminated soil and debris, are  
not subject to the land disposal prohibition until \_\_\_\_\_.

\_\_\_ E. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ subject  
to other variance, extension or exemptions: Specify \_\_\_\_\_.

<sup>1</sup> Non-Wastewater; <sup>2</sup> Wastewater

# LAND DISPOSAL RESTRICTIONS NOTIFICATION

McDonnell Douglas Corporation - St. Louis  
P.O. Box 516, MC 0343530, St. Louis, MO 63166  
(314) 232-3319

Generator EPA ID: MDD000818906

EPA Waste ID: F001/F002/D040

Manifest No.: 06248-0783

Facility Wastestream No.: 041

This form is submitted in compliance with 40 CFR 269.

## I. WASTE IDENTIFICATION

Identify all U.S. EPA hazardous waste number(s), subcategory(ies) and treatability group(s) applicable to this waste shipment.

A. D001:

1) Ignitable Liquids: \_\_\_ a) NWW<sup>1</sup> TOC  $\geq$  10%; \_\_\_ b) NWW<sup>1</sup> 1% to <10% TOC; \_\_\_ c) WW<sup>2</sup>  
\_\_\_ 2) Ignitable Compressed Gases; \_\_\_ 3) Ignitable Reactives; \_\_\_ 4) Oxidizers

B. D002: \_\_\_ 1) Acids; \_\_\_ 2) Alkaline; \_\_\_ 3) Other Corrosives

C. D003: \_\_\_ 1) Reactive Cyanides; \_\_\_ 2) Reactive Sulfides; \_\_\_ 3) Explosives;  
\_\_\_ 4) Water Reactives; \_\_\_ 5) Other Reactives

D. \_\_\_ D009: \_\_\_ K106: \_\_\_ U151: \_\_\_ 1) Low Mercury; \_\_\_ 2) High Mercury

E. F025: \_\_\_ 1) Light Ends; \_\_\_ 2) Spent Filters/Aids & Desiccants

F. K061: \_\_\_ 1) Low Zinc; \_\_\_ 2) High Zinc

G. ALL OTHER U.S. EPA HAZARDOUS WASTE NUMBERS

SUBCATEGORIES (IF APPLICABLE)

F001/F002/D040

None

H. Treatability Group (if not previously indicated):

\_\_\_ Wastewater; ☒ Non-Wastewater; List any others \_\_\_\_\_

## II. LAND DISPOSAL RESTRICTIONS

☒ A. Restricted wastes with EPA hazardous waste number(s) F001/F002/D040  
have treatment standards expressed as constituent concentrations in waste extract  
(CCWE) per 40 CFR 268.41.

\_\_\_ B. Restricted wastes with EPA hazardous waste number(s) \_\_\_\_\_  
have treatment standards expressed as constituent concentrations in waste (CCW)  
per 40 CFR 268.43.

\_\_\_ C. Restricted wastes with EPA hazardous waste number(s) \_\_\_\_\_  
have treatment standards expressed as a specific technology per 40 CFR 268.42.  
List the applicable five-letter treatment code:

\_\_\_ INCIN: \_\_\_ DEACT: \_\_\_ STABL: Other \_\_\_\_\_

\_\_\_ D. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ having a  
treatment standard based on incineration and are contaminated soil and debris, are  
not subject to the land disposal prohibition until \_\_\_\_\_.

\_\_\_ E. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ subject  
to other variance, extension or exemptions: Specify \_\_\_\_\_.

<sup>1</sup> Non-Wastewater; <sup>2</sup> Wastewater



INSTRUCTIONS FOR THE COM-  
PLETION OF THIS FORM ARE ON A  
SEPARATE SHEET

THIS DOCUMENT MUST BE USED  
FOR ALL MISSOURI-DESTINED  
SHIPMENTS

MISSOURI DEPARTMENT OF NATURAL RESOURCES  
Division of Environmental Quality  
Waste Management Program  
P.O. Box 176 Jefferson City, Missouri 65102  
314-751-3176

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE  
U.S. COAST GUARD  
1-800-424-6902  
CHEM TREC  
1-800-424-9356  
DEPT. OF NATURAL RESOURCES  
314-634-2436

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No 2050-0039, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M0D000081895500048	Manifest Document No. 000048	2. Page 1 of 1	Information in the shaded areas is required by State law.		
3. Generator's Name and Mailing Address McDonnell Douglas Corporation, Mail Code 0343530 5951 North Hanley Rd., Hazelwood, MO 63042				A. Missouri Manifest Document Number 001249 0048			
4. Generator's Phone (314) 232-3319				B. G.S.I. (Gen. Site Address) 001249 Same			
5. Transporter 1 Company Name McDonnell Douglas Corporation				C. MO. Trans. IDH-1039			
6. US EPA ID Number M0D0000818953				D. Transporter's Phone 314-232-9327			
7. Transporter 2 Company Name None				E. MO. Trans. ID 13-51			
8. US EPA ID Number				F. Transporter's Phone			
9. Designated Facility Name and Site Address McDonnell Douglas Corporation Lindbergh & McDonnell Blvd. Hazelwood, MO 63042				G. State Facility's ID RR0268 MOD000818963			
10. US EPA ID Number M0D0000818963				H. Facility's Phone 314-232-3319			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazardous waste, solid, H.O.S. (contains paint-related material) ORM-E NA9189 (D007/F002/F003/F005)				002 CM	00004	Y	EPA WASTE CODE D007
b. RQ WASTE ORM-A, H.O.S. (OIL CONTAMINATED WITH CHLORINATED SOLVENTS) ORM-A NA1693 (F001/F002/D039/D040)				001 DM	00055	G.	EPA WASTE CODE F001
c.							STATE NONE
d.							EPA WASTE CODE STATE
J. Additional Descriptions for Materials Listed Above				K. HANDLING CODE (FACILITY USE ONLY)			
a. also F002/F003/F005 MO ID 038 S.G. 0.625				a. S O I T 50			
b. also F002/D039/D040 S.G. 0.837				b. S O I T 50			
c.				c.			
d.				d.			
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." Emergency contact: 314-232-2285							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.							
Printed/Typed Name GARY BUFORD				Signature Gary Buford		Month Day Year 01/07/93	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Richard Guyse		Month Day Year 01/07/93	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name GARY BUFORD				Signature Gary Buford		Month Day Year 01/07/93	

GENERATOR FINAL COPY - PART 2

THIS COPY MUST BE RETAINED BY THE GENERATOR AFTER ITS RETURN FROM THE TSD

# LAND DISPOSAL RESTRICTIONS NOTIFICATION

McDonnell Douglas Corporation - St. Louis  
P.O. Box 516, MC 0343530, St. Louis, MO 63166  
(314) 232-3319

Generator EPA ID: MD000818955

EPA Waste ID: D007-F002-F003-F005

Manifest No.: 001249-0048

Facility Wastestream No.: 038

This form is submitted in compliance with 40 CFR 269.

## I. WASTE IDENTIFICATION

Identify all U.S. EPA hazardous waste number(s), subcategory(ies) and treatability group(s) applicable to this waste shipment.

A. D001:

1) Ignitable Liquids: \_\_\_a) NWW<sup>1</sup> TOC  $\geq$  10%; \_\_\_b) NWW<sup>1</sup> 1% to <10% TOC; \_\_\_c) WW<sup>2</sup>

\_\_\_2) Ignitable Compressed Gases; \_\_\_3) Ignitable Reactives; \_\_\_4) Oxidizers

B. D002: \_\_\_1) Acids; \_\_\_2) Alkaline; \_\_\_3) Other Corrosives

C. D003: \_\_\_1) Reactive Cyanides; \_\_\_2) Reactive Sulfides; \_\_\_3) Explosives;

\_\_\_4) Water Reactives; \_\_\_5) Other Reactives

D. \_\_\_D009: \_\_\_K106: \_\_\_U151: \_\_\_1) Low Mercury; \_\_\_2) High Mercury

E. F025: \_\_\_1) Light Ends; \_\_\_2) Spent Filters/Aids & Desiccants

F. K061: \_\_\_1) Low Zinc; \_\_\_2) High Zinc

G. ALL OTHER U.S. EPA HAZARDOUS WASTE NUMBERS

SUBCATEGORIES (IF APPLICABLE)

D007-F002-F003-F005

None

H. Treatability Group (if not previously indicated):

\_\_\_Wastewater; ~~\_\_\_Non-Wastewater~~; List any others \_\_\_\_\_

## II. LAND DISPOSAL RESTRICTIONS

☒ A. Restricted wastes with EPA hazardous waste number(s) D007 have treatment standards expressed as constituent concentrations in waste extract (CCWE) per 40 CFR 268.41.

☒ B. Restricted wastes with EPA hazardous waste number(s) F002-F003-F005 have treatment standards expressed as constituent concentrations in waste (CCW) per 40 CFR 268.43.

\_\_\_ C. Restricted wastes with EPA hazardous waste number(s) \_\_\_\_\_ have treatment standards expressed as a specific technology per 40 CFR 268.42. List the applicable five-letter treatment code:

\_\_\_INCIN: \_\_\_DEACT: \_\_\_STABL: Other \_\_\_\_\_

\_\_\_ D. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ having a treatment standard based on incineration and are contaminated soil and debris, are not subject to the land disposal prohibition until \_\_\_\_\_.

\_\_\_ E. Wastes with EPA hazardous waste number(s) \_\_\_\_\_ subject to other variance, extension or exemptions: Specify \_\_\_\_\_.

<sup>1</sup> Non-Wastewater; <sup>2</sup> Wastewater

22



<b>MCDONNELL DOUGLAS</b>					
PLANT ENGINEERING DEPT ST LOUIS, MISSOURI			COMMUNICATIONS		
INDUSTRIAL WASTE DISPOSAL DETENTION PLANT, BUNKER WASTE FLUM PATH					
REFERENCE NUMBER:			APPROVED FOR CONTINUATION		
			BY _____		
			DATE _____		
SCALE	SHEET	DWG	FED		
AS SHOWN	C OF 10				
DESIGN			PAID BY TALL		
APPD			DELIVERED		
APPD			DELIVERED TO PER		
APPD			FE 20473	100 J	
APPD					

27.080

McDonnell Douglas

AIRCRAFT

JOHN ASHCROFT  
Governor

G. TRACY MEHAN III  
Director



STATE OF MISSOURI  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY

P.O. Box 176  
Jefferson City, MO 65102

Division of Energy  
Division of Environmental Quality  
Division of Geology and Land Survey  
Division of Management Services  
Division of Parks, Recreation,  
and Historic Preservation

June 15, 1989

RECEIVED

JUN 26 1989

Mr. Kenneth L. Marks  
Kaybee and Associates  
6427 Fallengate Drive  
Spring, Texas 77373

SLRO

Dear Mr. Marks:

RE: Spent Caustic Wastestream

Your recent correspondence requested a clarification regarding a spent caustic wastestream generated by McDonnell Douglas, St. Louis, Missouri which is to be utilized by Reynolds Metals in Texas. Your letter indicated the spent caustic wastestream will be used as an effective substitute for a commercial product (namely, 50% fresh liquid caustic soda) in the production of alumina. It does appear as if this material satisfies the criteria in 40 CFR 261.2(e)(ii) and is not a solid waste and, therefore, not subject to the hazardous waste regulations when recycled in this manner.

If you have any questions, please do not hesitate to contact me at (314) 751-3176.

Sincerely,

DIVISION OF ENVIRONMENTAL QUALITY

A handwritten signature in cursive script, appearing to read "Jan Skouby".

Jan Skouby  
Environmental Engineer  
Waste Management Program

js

cc: Reynolds Metals, P.O. Box 9177, Corpus Christi, Texas  
McDonnell Douglas, St. Louis, Missouri  
Saint Louis Regional Office

27.080 McDonnell Douglas Aircraft  
JOHN ASHCROFT  
Governor

G. TRACY MEHAN III  
Director



STATE OF MISSOURI  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY

P.O. Box 176  
Jefferson City, MO 65102

August 31, 1989

Mr. Joe Haake  
Hazardous Waste Coordinator  
McDonnell Douglas  
Dept. 441C, Bldg. 80  
Mail Code 0801800  
P.O. Box 516  
St. Louis, MO 63166-0516

RECEIVED

SEP 01 1989

SLRO

Dear Mr. Haake:

The department is in receipt of your letter of August 10, 1989 requesting a determination of regulatory status regarding the burning for energy recovery of off-specification jet fuel. Please consider this letter our determination and reply.

According to your letter and our recent telephone conversations, your firm generates jet fuel as the result of a requirement to remove the fuel from the tanks of aircraft. At that point, the fuel no longer meets the specifications which are necessary for reuse in the aircraft. In the past, you have been providing for off-site management as a D001 hazardous waste through a contractor. It is now your desire to burn the off-specification jet fuel along with #2 fuel oil in your utility boilers for energy recovery.

The department agrees with your viewpoint that the off-specification jet fuel is not a solid waste when burned for energy recovery. This determination is based upon the provision found at 40 CFR 261.2 (c)(2)(ii), which appears to parallel and be supported by the letter of July 31, 1989 from EPA Headquarters to McDonnell Douglas.

Should you have need for further inquiry do not hesitate to contact this office.

Sincerely,

DIVISION OF ENVIRONMENTAL QUALITY

A handwritten signature in dark ink, appearing to read "R. Bruce Martin".

R. Bruce Martin  
Environmental Specialist  
Waste Management Program

BM/bm



# RECYCLED MEK USAGE

MONTH Jan 93

## QUANTITY RECEIVED TO RECYCLE

	BLDG 48		BLDG 002	
1st WEEK	55	GALLONS	0	GALLONS
2nd WEEK	55	GALLONS		GALLONS
3rd WEEK	0	GALLONS		GALLONS
4th WEEK	55	GALLONS	0	GALLONS
5th WEEK		GALLONS		GALLONS

165

PAINT SHOP

BLDG. 48

DEPT. 164B/C

# RECYCLED MEK USAGE

MONTH Jan 93

## QUANTITY RECYCLED & RE-ISSUED

	BLDG 48		BLDG 002	
1st WEEK	55	GALLONS		GALLONS
2nd WEEK	0	GALLONS	0	GALLONS
3rd WEEK	55	GALLONS	0	GALLONS
4th WEEK	55	GALLONS	0	GALLONS
5th WEEK		GALLONS	0	GALLONS

165

# RECYCLED MEK USAGE

MONTH FEB 93

## QUANTITY RECEIVED TO RECYCLE

	BLDG 48		BLDG 002	
1st WEEK	110	GALLONS	1	GALLONS
2nd WEEK	55	GALLONS	0	GALLONS
3rd WEEK	55	GALLONS	0	GALLONS
4th WEEK	55	GALLONS	0	GALLONS
5th WEEK		GALLONS		GALLONS

275

PAINT SHOP

BLDG. 48

DEPT. 164B/C

# RECYCLED MEK USAGE

MONTH FEB 93

## QUANTITY RECYCLED & RE-ISSUED

	BLDG 48		BLDG 002	
1st WEEK	55	GALLONS	0	GALLONS
2nd WEEK	110	GALLONS	0	GALLONS
3rd WEEK	110	GALLONS	0	GALLONS
4th WEEK	55	GALLONS	55	GALLONS
5th WEEK		GALLONS		GALLONS

220

# RECYCLED MEK USAGE

MONTH March 93

## QUANTITY RECEIVED TO RECYCLE

	BLDG 48		BLDG 002	
1st WEEK	55	GALLONS	0	GALLONS
2nd WEEK	110	GALLONS	0	GALLONS
3rd WEEK	" 110	GALLONS	0	GALLONS
4th WEEK	" 55	GALLONS	1 Drum	GALLONS
5th WEEK		GALLONS		GALLONS

230

670 GAL TOTAL 1ST QTR  
X 2.25  
4870.9 lbs

PAINT SHOP

BLDG. 48

DEPT. 164B/C

# RECYCLED MEK USAGE

MONTH March 93

## QUANTITY RECYCLED & RE-ISSUED

	BLDG 48		BLDG 002	
1st WEEK	55	GALLONS	—	GALLONS
2nd WEEK	110	GALLONS	110	GALLONS
3rd WEEK	" 110	GALLONS	<del>110</del> 0	GALLONS
4th WEEK	" 55	GALLONS	0	GALLONS
5th WEEK		GALLONS		GALLONS

230

1ST QTR TOTAL 625 GAL RECYCLED

Bldg 27

[illegible]

Coolant Analysis

McDONNELL DOUGLAS CORP.  
McDONNELL AIRCRAFT CO.  
ANALYTICAL CHEMISTRY LABORATORY


LABORATORY REPORT

ACL SAMPLE NUMBER : 9331-8 CUSTOMER SAMPLE NUMBER: 8556  
SAMPLE DESCRIPTION: E C O BLDG 27 ANNUAL  
MO ID NO 037

Date of Receipt : 05/05/92

Date of Report : 06/22/92

pH .....	6.7	UNITS
FLASHPOINT .....	>140	°F
VOLATILES @ 100 °C.....	89.03	% BY WEIGHT
VOLATILES @ 600 °C.....	99.84	% BY WEIGHT
ASH .....	0.16	% BY WEIGHT
REACTIVITY .....	NEG	
CYANIDE.....	0.5	mg/kg
SULFIDE .....	66	mg/kg
SPECIFIC GRAVITY .....	0.9800	
P C B .....	<1000	mg/kg

  
Kenneth Lee  
Lead Engineer, Laboratory  
102/D257/1022152/49824



# T C L P CHARACTERISTICS

ACL SAMPLE NUMBER: 9331-8 CUSTOMER SAMPLE NUMBER: 8556

SAMPLE DESCRIPTION: E C O BLDG 27 ANNUAL

MO ID NO 037

CONTAMINANT	EPA HW NUMB	REGULATORY LEVEL (mg/l)	SAMPLE CONCENTRATION (mg/l)
Arsenic	D004	5.0	<0.1
Barium	D005	100.0	<10.0
Benzene	D018	0.5	<0.05
Cadmium	D006	1.0	<0.1
Carbon Tetrachloride	D019	0.5	<0.05
Chlordane	D020	0.03	*
Chlorobenzene	D021	100.0	<0.05
Chloroform	D022	6.0	<0.05
Chromium, Total	D007	5.0	<0.5
o-Cresol	D023	200.0	<0.20
m-Cresol	D024	200.0	<0.20
p-Cresol	D025	200.0	<0.20
Cresol	D026	200.0	<0.20
2,4-D	D016	10.0	*
1,4-Dichlorobenzene	D027	7.5	<0.20
1,2-Dichloroethane	D028	0.5	<0.05
1,1-Dichloroethylene	D029	0.7	<0.05
2,4-Dinitrotoluene	D030	0.13	<0.10
Endrin	D012	0.02	*
Heptachlor	D031	0.008	*
Hexachlorobenzene	D032	0.13	<0.10
Hexachlorobutadiene	D033	0.5	<0.20
Hexachloroethane	D034	3.0	<0.20
Lead	D008	5.0	<1.0
Lindane	D013	0.4	*
Mercury	D009	0.2	<0.02
Methoxychlor	D014	10.0	*
Methyl Ethyl Ketone	D035	200.0	4.81
Nitrobenzene	D036	2.0	<0.20
Pentachlorophenol	D037	100.0	<0.20
Pyridine	D038	5.0	<0.20
Selenium	D010	1.0	<0.1
Silver	D011	5.0	<0.1
Tetrachloroethylene	D039	0.7	<0.05
Toxaphene	D015	0.5	*
Trichlorethylene	D040	0.5	<0.05
2,4,5-Trichlorophenol	D041	400.0	<0.20
2,4,6-Trichlorophenol	D042	2.0	<0.20
2,4,5-TP(Silvex)	D017	1.0	*
Vinyl Chloride	D043	0.2	<0.05

\* - NOT DETERMINED DUE TO NATURE OF PROCESS WHICH GENERATED THIS WASTE STREAM.

GAS CHROMATOGRAPHY/MASS SPECTROMETRY  
ORGANICS \*  
USEPA SW-846  
METHODS 8240/8270

ACL SAMPLE: 9331-8

CUSTOMER SAMPLE: 8556

SAMPLE DESCRIPTION: E C O BLDG 27 ANNUAL  
MO ID NO 037

CONTAMINANT

SAMPLE CONCENTRATION, (mg/l)

→ 1,1,1-TRICHLOROETHANE	97
2-HEXANONE	2.9
1,2-DICHLOROETHENE	0.14
1,1-DICHLOROETHANE	1.10
1,3-DIOXOLANE	0.29
3-METHYL-2,4-PENTANEDIOL	1.01
2,6-bis(1,1-DIMETHYLETHYL)-4-METHYLPHENOL	1.47

\* - ALL OTHER ORGANIC COMPOUNDS LISTED IN THESE METHODS  
WERE NOT DETECTED ABOVE A CONCENTRATION OF 0.05 mg/l.

PAGE SEVEN  
McDonnell Douglas Corporation - St. Louis Facilities  
NPDES No. MO-0004782

The Federal Water Pollution Control Act ("Clean Water Act" Section 401 of the Law 92-500, as amended) established the National Pollutant Discharge Elimination System (NPDES) permit program. This program regulates the discharge of pollutants from point sources into the waters of the United States. All such discharges are unlawful without a permit (Section 301 of the "Clean Water Act"). After a permit is obtained, a discharge not in compliance with all permit terms and conditions is unlawful. NPDES permits in Missouri are issued by the Director of the Department of Natural Resources under an approved NPDES program, operating in accordance with federal and state laws (Federal "Clean Water Act" and the "Missouri Clean Water Law" Section 644 as amended).

McDonnell Douglas Aerospace, P.O. Box 511, M/C 0343530, St. Louis, Missouri, 63164, has applied for reissuance of NPDES Permit No. MO-0004782 for the McDonnell Douglas Corporation - St. Louis Facilities in St. Louis, MO.

This facility discharges stormwater and/or non-contact cooling water from eight (8) outfalls. Outfalls 002 and 004 cruise prior to sampling and as such there are only seven (7) sampling points. The description of these outfalls is as follows:

- #001 Stormwater and/or non-contact cooling water from Tract 1 North.  
Total average dry weather flow is 346,000 gpd.
- #002 Stormwater and/or non-contact cooling water from Buildings 42, 43, 41, 51, and 52, hushhouses and aircraft.  
Total average dry weather flow is 99,400 gpd.
- #003 Stormwater and/or non-contact cooling water from Buildings 1, 2, 3, 4, 5, 6 and 41 area.  
Total average dry weather flow is 255,000 gpd.
- #004 Same as 002
- #005 Stormwater and/or non-contact cooling water from Buildings 250 and 251.  
Total average dry weather flow is 25,500 gpd.
- #006 Stormwater and/or non-contact cooling water from the headquarters building and overflow from two small concrete decorative basins at Building 106.  
Total average dry weather flow is 6,100 gpd.
- #007 Stormwater and/or non-contact cooling water from Buildings 101, 105, 106 and 107.  
Total average dry weather flow is 320,000 gpd.

Outfalls 001, 002, 003, 004, 005, and 011 discharge to a tributary of Colchester Creek. Outfall 010 discharges directly to Colchester Creek. The facility discharges untreated stormwater and/or noncontact cooling water at a present rate of 1.5 MGD into Colchester Creek, (Newport River Basin), in Sections 4 and 5 projected, Twp. 36N, R4E, St. Louis County.

According to 10 CSR 20-7.011 (Water Quality Standards), Missouri Department of Natural Resources "defines the Clean Water Commission's water quality objectives in terms of water uses to be maintained and criteria to protect those uses". For the portion of Coldwater Creek where this outfall discharges, the Water Quality Standards list the following beneficial water uses to be maintained:

Abstract: Livestock, Wild Game Harvesting; Protection of Aquatic Life; Drinking Water Supply

Sample

In order to protect these beneficial uses and the water quality of Goldwater Creek, effluent limitations are being established under Federal and State laws, guided by the effluent regulations and the water quality standards. The Department has established the limitations noted in the draft permit.

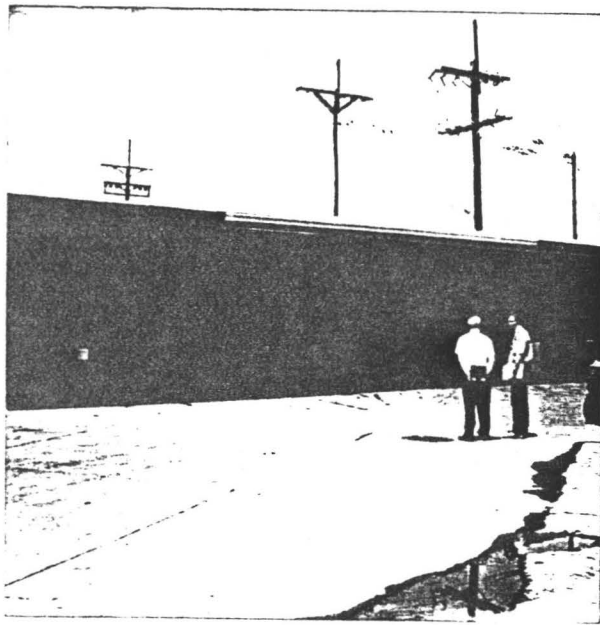
The self monitoring requirements for this discharge were developed by the Department of Natural Resources in compliance with 10 CSR 10-7.013.

The standard conditions attached to the draft permit are applied to all NFOSS permittees. They reflect requirements of Federal (40 CFR 122) and state law (19 CCR 20-Chapter 6) with respect to NFOSS permittee duties, responsibilities and liabilities.

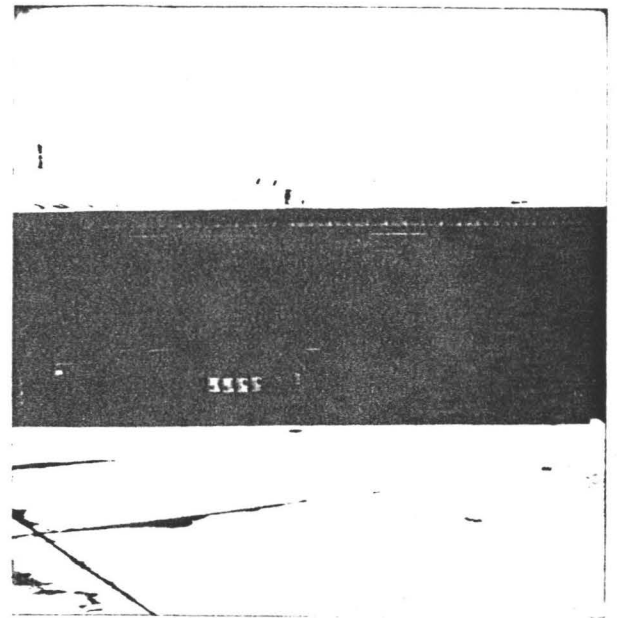
This permit will expire 60 (60) days from the date of issuance.

A copy of the public notice and this fact sheet are being forwarded to the applicant, the District Engineer of the U.S. Army Corps of Engineers, the Environmental Protection Agency, the U.S. Fish and Wildlife Service and the Missouri Department of Conservation. Other interested individuals may obtain a copy on request by writing to the address listed below.

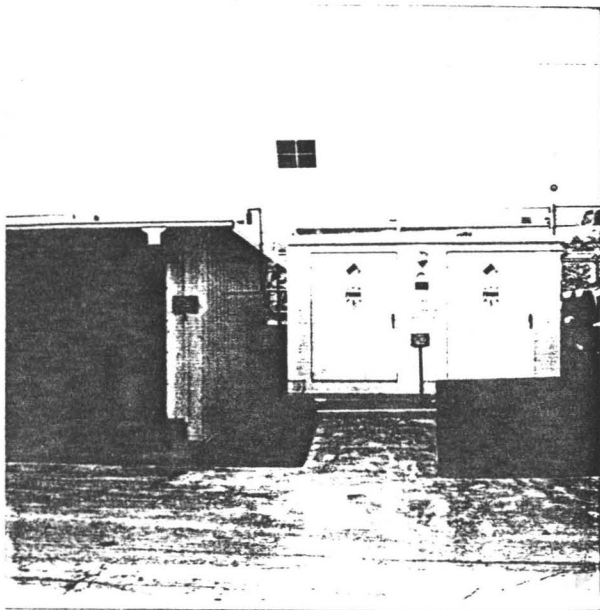
The proposed determinations of the draft permits are tentative pending the public notice process. Persons wishing to comment upon or object to the proposed determinations are invited to submit them in writing to: Department of Natural Resources, Division of Environmental Quality, (Missouri Clean Water Commission), P.O. Box 176, Jefferson City, Missouri 65110, ATTN: Ken Arnold, Acting Chief of Permit Section. Please include the application number of draft permit in all comment letters.



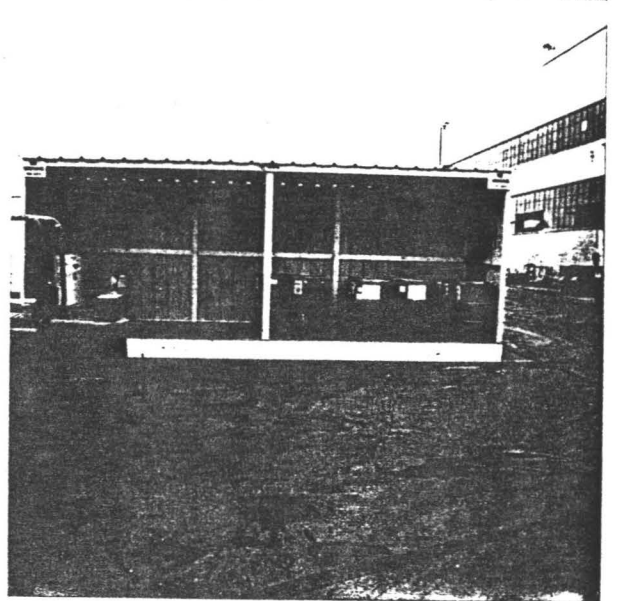
Bldg 27 Scrap Dock "Area 1"  
Permitted Storage  
MONA  
6-10-93  
JLT



Bldg 27 Scrap Dock "Area 1"  
Permitted Storage  
MONA  
6-10-93  
JLT

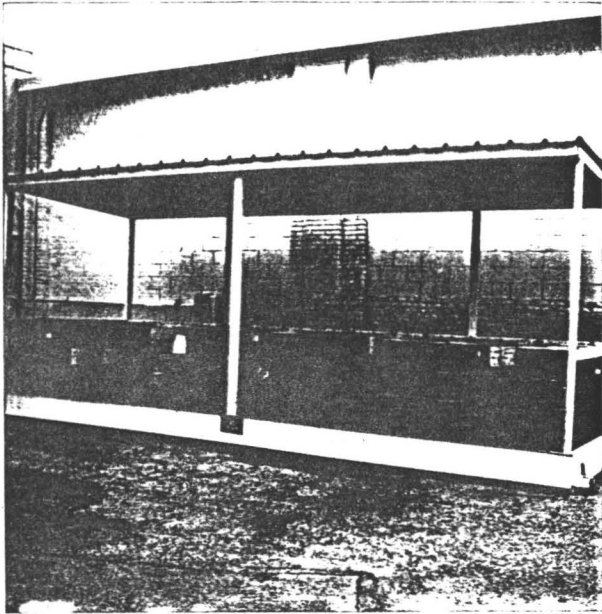


Bldg 27 Scrap Dock "Area 2"  
Permitted Storage  
MONA  
JLT  
6-10-93



Bldg. 2 (east) 240 storage Area  
MONA  
6-11-93  
JLT





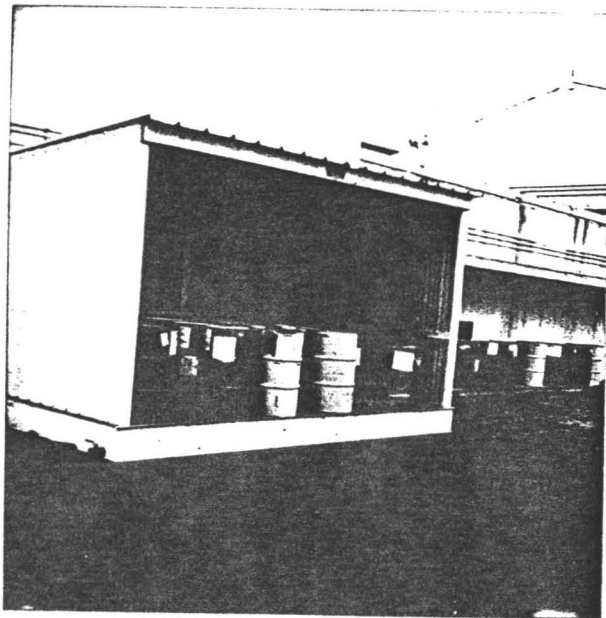
Bldg 51 < 90 Storage Area

MONR  
6-11-93  
JLT



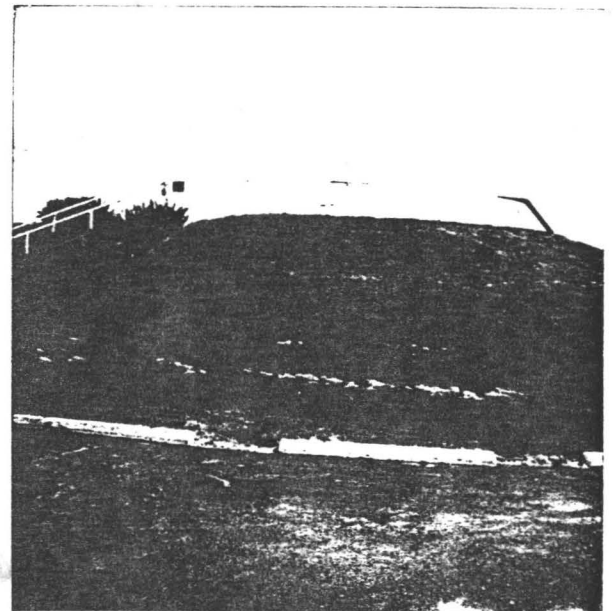
Bldg 51 Paint-solids roll-off  
(< 90 day)

MONR  
6-11-93  
JLT



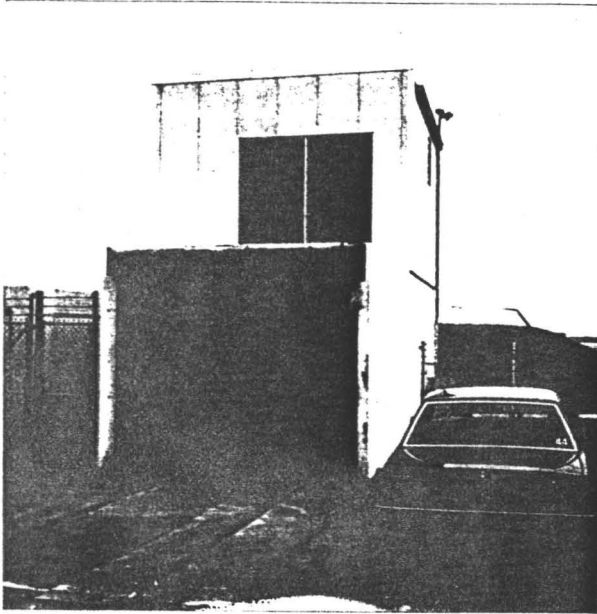
Bldg 45 < 90 storage Area

MONR  
6-11-93  
JLT



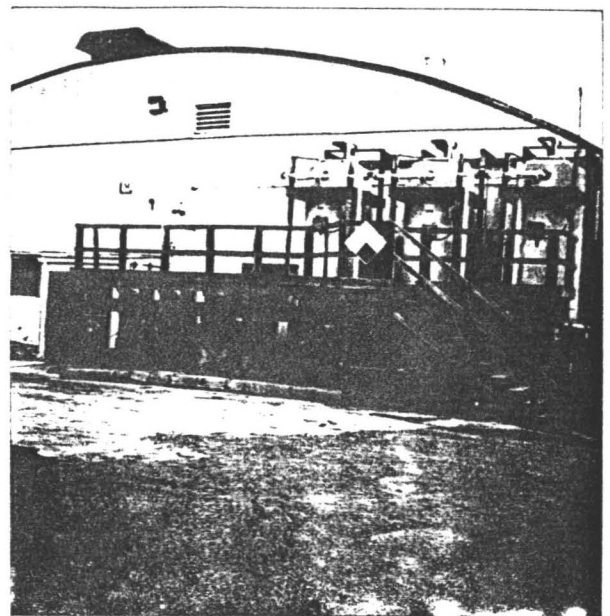
Bldg 14 Sludge Holding Tank  
(Permitted > 90 day)

MONR  
JLT  
6-11-93



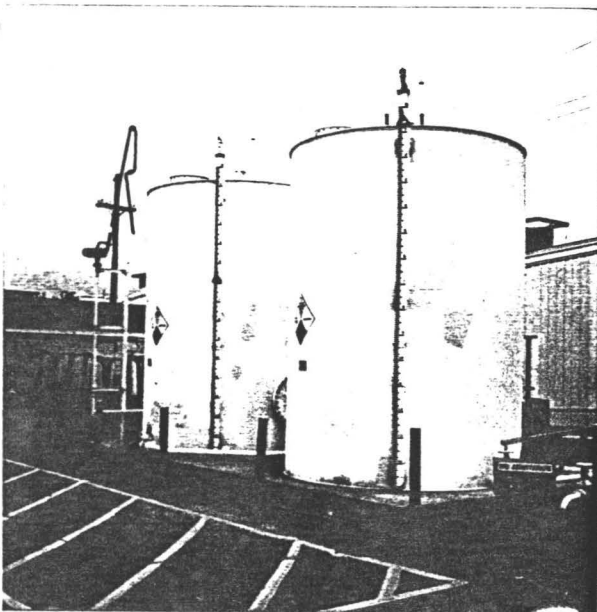
Bldg 14 Roll-off for Sludge  
( $< 90$  day)

MONR  
6-11-93  
JLT



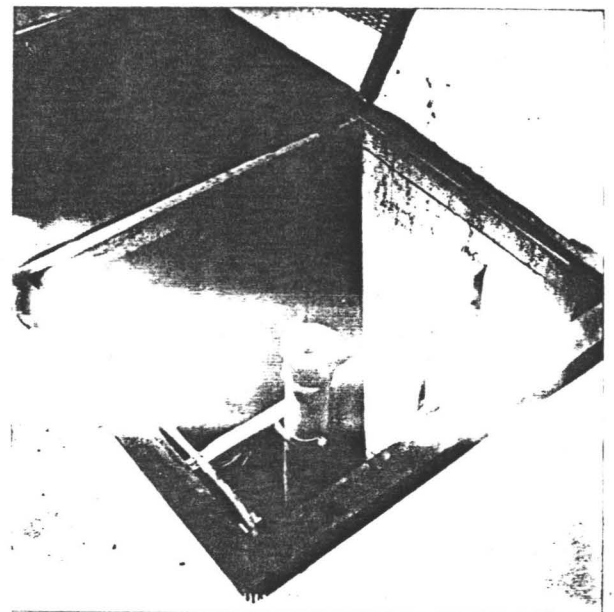
Bldg 52 Acid Tanks (H12, H13, H14)

MONR  
6-11-93  
JLT



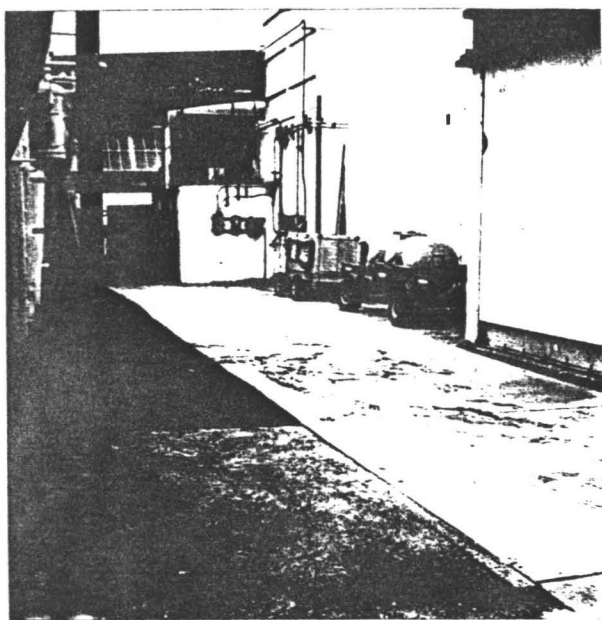
Bldg 52 Caustic Tanks (H19, H20)

MONR  
6-11-93  
JLT



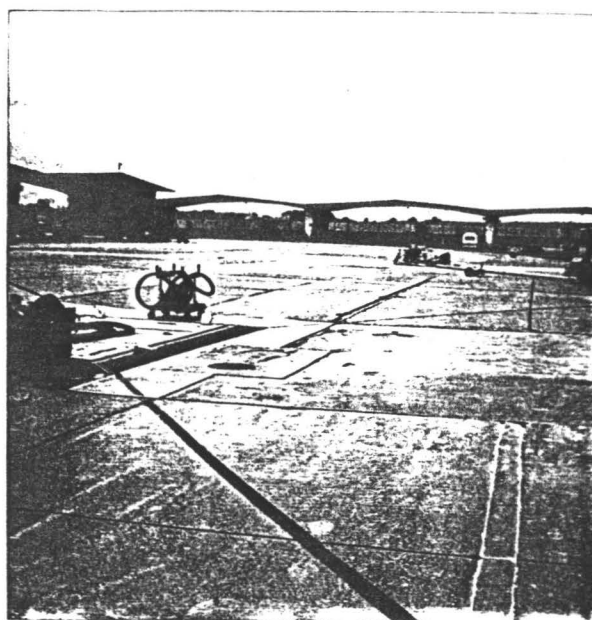
Bldg 28 Waste Jet fuel Tank  
(5,000 gal)

MONR  
JLT  
6-10-93



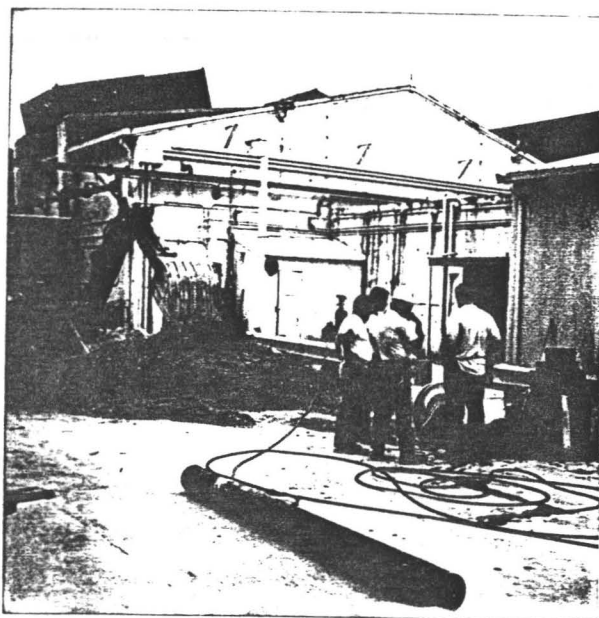
Area of F-18 silencer waste Tank  
(Tank was removed)

MONR  
6-11-93  
JLT



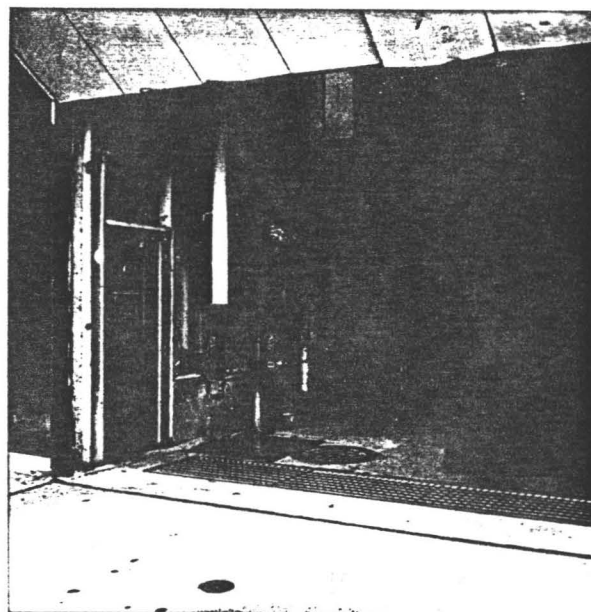
Area of Fuel pit #3 & #4 waste Jet-fuel tanks  
(Tanks were removed)

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Area of Hush House Waste Tank  
(Tank was removed)

MONR  
6-11-93  
JLT



Ramp Station #1 & #2 Waste Tank (exd 45 K)  
(Tank not in use)

MONR  
6-11-93  
JLT